NSPS 0000a Annual Report

Pursuant to 40 CFR § 60.5420a(b) ver. 11.05.14

Company Information

§60.5420a(b)(1)

Company Name:

Bonanza Creek Energy Operating Company, LLC

P.O. Box 2060

Magnolia

71754

Company Mailing Address:

Street Address

City

State

AR

Zip Code

Contact Name: Brent Barnett

Contact Phone Number: 870-235-0404

Contact Email Address: bbarnett@bonanzacrk.com

Reporting Period

For information regarding this report please contact the following:

Compliance Period Start Date:

8/2/2016

Compliance Period End Date:

8/2/2017

Date Report Submitted:

10/24/2017

Certification By a Responsible Official

Statement of Certification: Based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate and complete.

* Entering your name on the Signature line below constitutes your e-signature, and you are agreeing to the terms set forth in this Section. This report will NOT be considered complete without an authorizing signature.

Name of Certifying Official:

Chris Rogers

Title of Certifying Official:

Operations Manager

Email Address:

Crogers@bonanzacrk.com

Phone Number:

870-235-0400

Signature:

Signature Date:

List of Affected Facilities

§60.5420a(b)

						Affected Fa			e)	
API Number	Physical Location Name	Equipment ID/ Well Name	Well	Storage Vessel	Reciprocating Compressor	Centrifugal Compressor	Pneumatics	Pump	Fugitives	Other (Please Identify)
	Macedonia Compressor Station	fugitives							х	
	Macedonia Compressor Station	compressor 1		-	х				х	
03-027-12093-0000	Link Warnock 4	Link Warnock 4	Х						Х	
03-027-12089	Phillips Nipper 6	Phillips Nipper 6	Х						Х	
027-11400-0000	Willis Jameson 1 SWD	Heritage Willis Jameson 1	х						х	
		/								
						*				
,										
							Ĺ			
						,	4			

Well Affected Facilities

§60.5420a(b)(2)

Well Affected Facilities

§60.5420a(b)(2)

					Dur	rations of: (re	ported in hrs)							Date and Time						
API Number	Well Name	Lat. (Nad 83)	Long. (Nad 83)	Flowback	Recovery or Well Type (Not required for delineation, wild cat, or low pressure gas wells. If recovery is not applicable identify well type)	Combustion	Pre- Separation Venting (hrs)	Post- Separation Venting (hrs)	Exempt From Compliance With 60.5375(a)(3) (If Exempt Put an 'X'. If not leave blank)	Deviations To Report? (If Deviations Other Than Post Separation Venting Occurred Put an 'X'. If not leave blank)	Date and time of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(i ii)(A)-(B))	Date and time of Each Attempt to Direct Flowback to a Separator * (§60.5420a(b)(2) (i) and §60.5420a(c)(1)(i ii)(A)-(B))	Occurrence of Returning to the Initial Flowback Stage * (§60.5420a(b)(2)(i) and	Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production *	1)(iii)(A)-(B))	§60.5375a(f)) (§60.5420a(b)(2)(§60.5420a(c)(1)(iii)(A)-(B))	Combustion in		Venting in lieu of Capture or Combustion *
03-027-12093-0000	Link Warnock 4	(\mathbf{h})	$\langle \mathbf{O} \rangle$	0	Oil	0	0	0			N/A	N/A	N/A	10/1/15 6:00 PM	0	0	sales	0	0	
03-027-12089	Phillips Nipper 6			0	Oil	0	0	0			N/A	N/A	N/A	10/13/15 3:00 PM	0	0	sales	0	0	
027-11400-0000	Heritage Willis	,	\ /	١ ,	Oil			١,			N/A	N/A	N/A	6/9/16 3:00 PM	١ ,	١,	sales	١ ,	١ ,	
027-11400-0000	Jameson 1			-	Oil	ď	U	-	1		N/A	N/A	N/A	0/9/10 3.00 PW		-	sales	0	-	1
									-					Λ			-			-
																-				
																-				

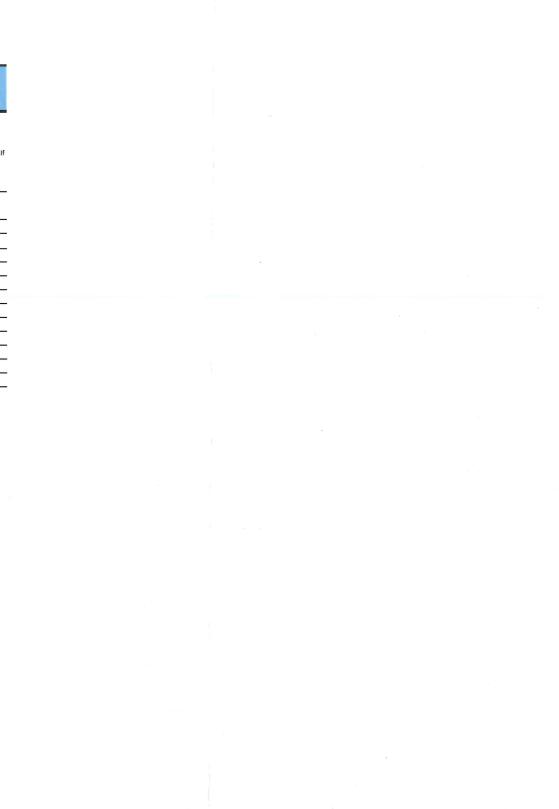
Fugitive Affected Facilities \$60.5420a(b)(7)

Fugitive Affected Facilities \$60.5420a(b)(7)

						The Sale																			OGI	Compressor Stat	tion Affected Facility Only
Facility Name	Equipment ID Tag Number	Fugitive Facility type	Date of Survey (§60.5420a(b)(7)(i))	Survey Begin Time * (§60.5420a(b) (7)(ii))	Survey End Time * (§60.5420a(b)(7)(ii))	Name of Surveyor * (§60.5420a(b)(7)(ii i))		Sky Conditions During Survey * (§60.5420a(b)(7)(iv))	Maximum Wind Speed During Survey * (§60.5420a(b)(7)(iv))	Monitoring Instrument Used * (§60.5420a(b)(7)(v))	Deviations From Monitoring Plan (If none, state none.) * (§60.5420a(b)(7)(vi))	Type of Component for which Fugitive Emissions Detected * (\$60.5420a(b)[7](vii))	Number of Each Component Type for which Fugitive Emissions Detected * (§60.5420a(b)(7)(vii))	Type of Component Not Repaired as Required in §60.5397a(h) * (§60.5420a(b)(7)(viii))	Number of Each Component Type Not Repaired as Required in § 60.5397a(h) * (§60.5420a(b)(7)(viii))	Type of Difficult-to- Monitor Components Monitored * (§60.5420a(b)(7)(ix))	Number of Each Difficult- to-Monitor Component Type Monitored * (§60.5420a(b)(7)(ix))	Type of Unsafe- to-Monitor Component Monitored * (§60.5420a(b)(7)(ix))	Number of Each Unsafe-to- Monitor Component Type Monitored * (§60.5420a(b)(7)(ix))	Date of Successful Repair of Fugitive Emissions Component * (§60.5420a(b)(7)(x)	Type of Component Placed on Delay of Repair * (§60.5420a(b) (7)(xi))	Number of Each Component Type Placed on Delay of Repair * (\$60.5420a(b)(7)(xi))	Explanation for Delay of Repair * (§60.5420a(b) (7)(xi))	Type of Instrument Used to Resurvey Repaired Components Not Repaired During Original Survey * (§60.5420a(b)(7)(xii))	Training and Experience of Surveyor * (\$60.5420a(b)(7)(iii))	Was a monitoring survey waived under § 60.5397a(g)(5)? • (§60.5420a(b)(7	If a monitoring survey was waived, the calendar months that make up the quarterly? monitoring period for which the monitoring survey was waived. * (\$60.5420s(b)(7))
Link Warnock 4	N/A	Well	4/25/2017	10:00 AM	11:00 AM	(b) (6)	75	Clear	4	FLIR Camera	None	Thief Hatch	1	N/A	0	N/A	0	N/A	0	4/25/2017	N/A	0	N/A	FLIR Camera	24 Hr OGI Training, 2+ years OGI experience	NO	N/A
Link Warnock 4	N/A	Well	4/25/2017	10:00 AM	11:00 AM		75	Clear	4	FLIR Camera	None	Thief Hatch	1	N/A	0	N/A	0	N/A	0	4/25/2017	N/A	0	N/A	FLIR Camera	24 Hr OGI Training, 2+ years OGI experience	NO	N/A
Willis Jameson 5	2493	Well	4/25/2017	11:15 AM	12:00 PM		78	Clear	6	FLIR Camera	None	Oil Dump Leg	1	N/A	0	N/A	0	N/A	0	4/25/2017	N/A	0	N/A	FLIR Camera	24 Hr OGI Training, 2+ years OGI experience	NO	N/A
Willis Jameson 5	N/A	Well	4/25/2017	11:15 AM	12:00 PM		78	Clear	6	FLIR Camera	None	Thief Hatch	1	N/A	0	N/A	0	N/A	0	4/25/2017	N/A	0	N/A	FLIR Camera	24 Hr OGI Training, 2+ years OGI experience	NO	N/A
Willis Jameson 5	N/A	Well	4/25/2017	11:15 AM	12:00 PM		78	Clear	6	FLIR Camera	None	Thief Hatch	1	N/A	0	N/A	0	N/A	0	4/25/2017	N/A	0	N/A	FLIR Camera	24 Hr OGI Training, 2+ years OGI experience	NO	N/A
Willis Jameson 5	N/A	Well	4/25/2017	11:15 AM	12:00 PM		78	Clear	6	FLIR Camera	None	Thief Hatch	1	N/A	0	N/A	0	N/A	0	4/25/2017	N/A	0	N/A	FLIR Camera	24 Hr OGI Training, 2+ years OGI experience	NO	N/A
Willis Jameson 5	N/A	Well	4/25/2017	11:15 AM	12:00 PM		78	Clear	6	FLIR Camera	None	Polish rod packing	1	N/A	0	N/A	0	N/A	0	4/25/2017	N/A	0	N/A	FLIR Camera	24 Hr OGI Training, 2+ years OGI experience	NO	N/A
Willis Jameson 5	2537	Well	4/25/2017	11:15 AM	12:00 PM		78	Clear	6	FLIR Camera	None	Top Access Plate Gasket	1	N/A	0	N/A	0	N/A	0	4/27/2017	N/A	0	N/A	TVA 20/20	24 Hr OGI Training, 2+ years OGI experience	NO	N/A
Phillips Nipper 6	N/A	Well	4/25/2017	1:30 PM	2:00 PM		80	Clear	8	FLIR Camera	None	N/A	0	N/A	0	N/A	0	N/A	0	N/A	N/A	0	N/A	FLIR Camera	24 Hr OGI Training, 2+ years OGI experience	NO	N/A
Macedonia Compressor Station	N/A	Dehy Unit	4/25/2017	2:15 PM	3:15 PM		82	Clear	9	FLIR Camera	None	Regulator	1	N/A	0	N/A	0	N/A	0	4/25/2017	N/A	0	N/A	FLIR Camera	24 Hr OGI Training, 2+ years OGI experience	NO	N/A
Macedonia Compressor Station	1754	Dehy Unit	4/25/2017	2:15 PM	3:15 PM		82	Clear	9	FLIR Camera	None	Valve	1	N/A	0	N/A	0	N/A	0	4/25/2017	N/A	0	N/A	FLIR Camera	24 Hr OGI Training, 2+ years OGI experience	NO	N/A
Macedonia Compressor Station	N/A	Compressor	4/25/2017	2:15 PM	3:15 PM		82	Clear	9	FLIR Camera	None	LP Connector	1	N/A	0	N/A	0	N/A	0	4/25/2017	N/A	0	N/A	FLIR Camera	24 Hr OGI Training, 2+ years OGI experience	NO	N/A
Macedonia Compressor Station	N/A	Compressor	4/25/2017	2:15 PM	3:15 PM		82	Clear	9	FLIR Camera	None	LP Connector	1	N/A	0	N/A	0	N/A	0	4/25/2017	N/A	0	N/A	FLIR Camera	24 Hr OGI Training, 2+ years OGI experience	NO	N/A
Macedonia Compressor Station	N/A	Compressor	4/25/2017	2:15 PM	3:15 PM		82	Clear	9	FLIR Camera	None	LP Connector	1	N/A	0	N/A	0	N/A	0	4/25/2017	N/A	0	N/A	FLIR Camera	24 Hr OGI Training, 2+ years OGI experience	NO	N/A
Macedonia Compressor Station	1752	Compressor	4/25/2017	2:15 PM	3:15 PM		82	Clear	9	FLIR Camera	None	HP Seal	,	N/A	,	N/A		N/A		7/17/2017	N/A	,	Unsafe to repair until shutdown	TVA 20/20	24 Hr OGI Training, 2+ years OGI experience	NO	N/A
Macedonia Compressor Station	1753	Compressor	4/25/2017	2:15 PM				Clear		FLIR Camera	None	Valve	1	N/A	0	N/A	,	N/A	0	4/25/2017	N/A	0	N/A	TVA 20/20	24 Hr OGI Training, 2+ years OGI experience	NO NO	N/A
Macedonia								Clear	9	FLIR Camera		Valve	1	N/A	0	N/A		N/A		4/25/2017	N/A	0	N/A	FLIR Camera	24 Hr OGI Training, 2+ years OGI experience	NO NO	N/A
Compressor Station Macedonia	N/A	Compressor	4/25/2017	2:15 PM					-		None		-		-		-		-			0			24 Hr OGI Training, 2+ years OGI		
Compressor Station Macedonia	N/A	Compressor	4/25/2017	2:15 PM			82	Clear	9	FLIR Camera	None	LP Connector	1	N/A	0	N/A	0	N/A	0	4/25/2017	N/A		N/A	FLIR Camera	24 Hr OGI Training, 2+ years OGI	NO NO	N/A
Compressor Station Macedonia	N/A	Compressor	4/25/2017	2:15 PM			82	Clear	9	FLIR Camera	None	LP Connector	1	N/A	0	N/A	0	N/A	0	4/25/2017	N/A	0	N/A N/A	FLIR Camera	experience 24 Hr OGI Training, 2+ years OGI	NO NO	N/A N/A
Compressor Station Macedonia	N/A	Compressor	4/25/2017	2:15 PM	3:15 PM		82	Clear	9	FLIR Camera	None	LP Connector	1	N/A	,	N/A	-	N/A	-	4/25/2017	N/A		Unsafe to repair until	PLIK Camera	Alliance Source Testing ELIP	NO	N/A
Compressor Station	93755	Compressor	9/25/2017	1:40 PM	2;40 PM		86	Clear	0	FLIR Camera	None	Valve	1	N/A	0	N/A	0	N/A	0	10/23/2017	Valve Handle	1	shutdown	TVA 20/20	Alliance Source Testing FLIR Camera Course	NO	N/A
Macedonia Compressor Station	93756	Compressor	9/25/2017	1:40 PM	2:40 PM		86	Clear	0	FLIR Camera	None	Flange	1	N/A	0	N/A	0	N/A	0	9/25/2017	N/A	0	N/A	TVA 20/20	Alliance Source Testing FLIR Camera Course	NO	N/A
Macedonia Compressor Station	93757	Tank	9/25/2017	1:40 PM	2:40 PM		86	Clear	0	FLIR Camera	None	Thief Hatch	1	N/A	0	N/A	0	N/A	0	9/26/2017	N/A	0	N/A	TVA 20/20	Alliance Source Testing FLIR Camera Course	NO	N/A

Reciprocating Compressor Affected Facilities §60.5420a(b)(4)

	Opera	tions Tracking 60.	5420a(b)(4)(i)		, Y
Facility Name	How are you tracking Operations? (Hours or Months)	Actual Time Reported	What is the start date?	What determined start date? (startup or rod packing replacement whichever is later)	Deviations To Report? (If Deviations Occurred Put an 'X'. If not leave blank)
Macedonia Compressor Station	Hours	8936 hours	10/4/16	Startup	
					2





1000 Southwestern Energy Drive Conway, AR 72032 (501) 548-6700

COMPLIANCE ASSURANCE

October 24, 2017

USEPA Administrator Mr. Scott Pruitt William Jefferson Clinton Building 1200 Pennsylvania Avenue, N.W.

Mail Code: 1101A Washington, DC 20460 Phone: (202) 564-4700

USEPA Region VI (6EN-A) Mr. Steve Thompson, Branch Chief 1445 Ross Avenue, Suite 1200

Mail Code: 6EN Dallas, TX 75202 Phone: (214) 665-2769

Arkansas Department of Environmental Quality Air Division Manager Mr. Thomas Rheaume 5301 Northshore Drive North Little Rock, AR 72118 Phone: (501) 682-0762

RE: DeSoto Gathering Company, LLC - NSPS 40 CFR Part 60 Subpart OOOOa

To Whom It May Concern:

DeSoto Gathering Company, LLC respectfully submits the enclosed Annual Report per requirements in 60.5420(b)(7).

If you have any questions regarding the information in the notifications, please contact me at (501) 548-6787 or at <u>darren jones@swn.com</u>.

Sincerely,

Darren Jones

Environmental Air Specialist

NSPS OOOOa Annual Report

Pursuant to 40 CFR § 60.5420(b)

Company Information §60.5420(b)(1)									
Company Name:	DeSoto Gathering Company								
Company Mailing Address:	1000 SWN Drive Street Address	Conway	AR State	72032 Zip Code					
	Technical Contact Info	rmation							
Contact Name: Contact Phone Number:	Darren Jones, SWN HS&E								
	Darren_Jones@swn.com								
	Reporting Pe	riod	8.2 19.03		F24948				
	Compliance Period Start Date	: 8/2/2016	_						
	Compliance Period End Date	: 8/2/2017							
Certification of 1	ruth, Accuracy, and (Completenes	SS (By Re:	sponsible Official)					
Statement of Certification: Based on i	nformation and belief formed after document are true, accurate,		the staten	nents and information in th	he				
Name of Certifying Official:	John Lee								
Phone Number: (501) 548-6640									
Email Address:	John_Lee@swn.com								
Signature	Jol D. S	Pe	Date	10/24/17					
Title of Certifying Official: Vice President of Midstream Field Operations									

The asterisk (*) next to each field indicates that the corresponding field is required.

Facility Record No. * (Select from dropdown list - may need to scroll up)	Identification of Each Affected Facility * (§60.5420a(b)(1))	Date of Survey * (§60.5420a(b)(7)(i))	Survey Begin Time * (\$60.5420a(b)(7)(ii))	Survey End Time * (§60.5420a(b)(7)(ii))	Name of Surveyor * (§60.5420a(b)(7)(iii))	Ambient Temperature During Survey * (§60.5420a(b)(7)(iv))	Sky Conditions During Survey * (§60.5420a(b)(7)(iv))	Maximum Wind Speed During Survey * (§60.5420a(b)(7)(iv))	Monitoring Instrument Used * {\$60.5420a(b)(7)(v))	Deviations From Monitoring Plan (If none, state none.) * (§60.5420a(b)(7)(vi))	Type of Component for which Fugitive Emissions Detected * (§60.5420a(b)(7)(vii))
		e.g.: 8/13/17	e.g.: 10:00 am	e.g.: 1:00 pm	e.g.: John Smith	e.g.: 90°F	e.g.: Sunny, no clouds	e.g.: 2 mph	e.g.: Company ABC optical gas imaging camera	e.g.: None	e.g.: Valve
	Gravel Hill CPF-2	7/24/17			(b) (6)		Clear		FLIR GF-320 opticcal gas	l None	Valve
	Gravel Hill CPF-2 Gravel Hill CPF-2	7/24/17		2:30:00 PM	(D)		Clear		FLIR GF-320 opticcal gas		Other
	Gravel Hill CPF-2	7/24/17 7/24/17		2:30:00 PM 2:30:00 PM			Clear	2	FLIR GF-320 opticcal gas	i None	Connector
	Gravel Hill CPF-2	7/24/17		2:30:00 PM			Clear		FLIR GF-320 opticcal gas		Flange
	Gravel Hill CPF-2	7/24/17		2:30:00 PM			Clear		FLIR GF-320 opticcal gas		Connector
	Gravel Hill CPF-2	7/24/17		2:30:00 PM		to the same of the	Clear		FLIR GF-320 opticcal gas		Connector
	Gravel Hill CPF-2	7/24/17		2:30:00 PM			Clear Clear		FLIR GF-320 opticcal gas		Valve
	Gravel Hill CPF-2	7/24/17		2:30:00 PM			Clear		FLIR GF-320 opticcal gas		Flange
	Gravel Hill CPF-2	7/24/17		2:30:00 PM			Clear		FLIR GF-320 opticcal gas		Flange
	Gravel Hill CPF-2	7/24/17		2:30:00 PM			. Clear		FLIR GF-320 opticcal gas		Connector
	Gravel Hill CPF-2	7/24/17		2:30:00 PM			. Clear		FLIR GF-320 opticcal gas		Connector
	Gravel Hill CPF-2	7/24/17		2:30:00 PM			Clear		FLIR GF-320 opticcal gas		Connector
<u>@</u> 2	Gravel Hill CPF-4	7/18/17	9:00:00 AM	11:30:00 AM			Clear		FLIR GF-320 opticcal gas		Connector
2	Gravel Hill CPF-4	7/18/17	9:00:00 AM	11:30:00 AM			Clear		FLIR GF-320 opticcal gas FLIR GF-320 opticcal gas		Other
2	Gravel Hill CPF-4	7/18/17	9:00:00 AM	11:30:00 AM			Clear		FLIR GF-320 opticcal gas		Other
2	Gravel Hill CPF-4	7/18/17	9:00:00 AM	11:30:00 AM		76	Clear		FLIR GF-320 opticcal gas		Other Other
	Gravel Hill CPF-4	7/18/17	9:00:00 AM	11:30:00 AM		76	Clear		FLIR GF-320 opticcal gas		Valve
	Gravel Hill CPF-4	7/18/17		11:30:00 AM		76	Clear		FLIR GF-320 opticcal gas		Valve
3	Midge CPF-1	7/17/17	11:20:00 AM	3:00:00 PM		90	Partly Cloudy		FLIR GF-320 opticcal gas		Instrument
	Midge CPF-1	7/17/17		3:00:00 PM		90	Partly Cloudy		FLIR GF-320 opticcal gas		Other
	Midge CPF-1	7/17/17		3:00:00 PM		90	Partly Cloudy		FLIR GF-320 opticcal gas		Connector
	Midge CPF-1	7/17/17		3:00:00 PM		90	Partly Cloudy		FLIR GF-320 opticcal gas		Other
	Midge CPF-1	7/17/17		3:00:00 PM		90	Partly Cloudy		FLIR GF-320 opticcal gas		Connector
	Phillips Mountain CPF			3:00:00 PM			Clear		FLIR GF-320 opticcal gas		Other
	Phillips Mountain CPF	AND DESCRIPTION OF THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE PE		3:00:00 PM		THE R. P. LEWIS CO., LANSING, MICH. 400, LANSING, MICH. 400, LANSING, MICH.	Clear	3	FLIR GF-320 opticcal gas	i None	Other
	Phillips Mountain CPF			3:00:00 PM			Clear	3	FLIR GF-320 opticcal gas	None	Connector
	Phillips Mountain CPF	The same of the sa		3:00:00 PM			Clear	3	FLIR GF-320 opticcal gas	None	Flange
	Phillips Mountain CPF Phillips Mountain CPF	THE REST NAME OF THE OWNERS AND ADDRESS OF THE OWNER OF THE OWNER, WHEN THE PARTY OF THE PARTY O		3:00:00 PM		The second secon	Clear		FLIR GF-320 opticcal gas		Connector
	Phillips Mountain CPF			3:00:00 PM		The second secon	Clear		FLIR GF-320 opticcal gas		Other
	Steelhead CPF-2	7/19/17		3:00:00 PM 11:30:00 AM			Clear		FLIR GF-320 opticcal gas		Valve
	Steelhead CPF-2	7/25/17		THE RESERVE AND ADDRESS OF THE PARTY OF THE			Clear		FLIR GF-320 opticcal gas		Connector
	Steelhead CPF-2	7/25/17		11:30:00 AM 11:30:00 AM			Clear		FLIR GF-320 opticcal gas		Connector
	Steelhead CPF-2	7/25/17		11:30:00 AM			Clear		FLIR GF-320 opticcal gas		Connector
	Steelhead CPF-2	7/25/17		11:30:00 AM			Clear		FLIR GF-320 opticcal gas		Connector
	Steelhead CPF-2	7/25/17		11:30:00 AM		THE RESERVE AND PERSONS ASSESSED.	Clear		FLIR GF-320 opticcal gas		Other
	Steelhead CPF-3	7/18/17		3:30:00 PM			Clear		FLIR GF-320 opticcal gas		Other
	Steelhead CPF-3	7/18/17		3:30:00 PM			Clear		FLIR GF-320 opticcal gas		Flange
6	Steelhead CPF-3	7/18/17		3:30:00 PM			Clear		FLIR GF-320 opticcal gas		Instrument
6	Steelhead CPF-3	7/18/17		3:30:00 PM	_	The state of the s	Clear		FLIR GF-320 opticcal gas FLIR GF-320 opticcal gas		Flange
	Steelhead CPF-3	7/18/17	12:00:00 PM	3:30:00 PM			Clear		FLIR GF-320 opticcal gas		Other
	Steelhead CPF-3	7/18/17	12:00:00 PM	3:30:00 PM			Clear		FLIR GF-320 opticcal gas		Compressor Valve
	Steelhead CPF-3	7/18/17		3:30:00 PM		78	Clear		FLIR GF-320 opticcal gas		Other
	Steelhead CPF-3	7/18/17		3:30:00 PM		78	Clear		FLIR GF-320 opticcal gas		Other
	Steelhead CPF-3	7/18/17		3:30:00 PM		78	Clear		FLIR GF-320 opticcal gas		Other
	Steelhead CPF-3	7/18/17	AND DESCRIPTION OF THE PARTY OF	3:30:00 PM		78	Clear		FLIR GF-320 opticcal gas		Other
	Steelhead CPF-3	7/18/17		3:30:00 PM		78	Clear		FLIR GF-320 opticcal gas		Connector
	Steelhead CPF-3	7/18/17		ACTUAL DESIGNATION OF THE PARTY		78	Clear		FLIR GF-320 opticcal gas		Compressor
	SW Greer Lake CPF-5	7/19/17		11:00:00 AM			Clear		FLIR GF-320 opticcal gas		Flange
	SW Greer Lake CPF-5	7/19/17	The same of the sa	11:00:00 AM		82	Clear		FLIR GF-320 opticcal gas		Meter .
	SW Greer Lake CPF-5	7/19/17		11:00:00 AM			Clear		FLIR GF-320 opticcal gas		Compressor
	SW Greer Lake CPF-5	7/19/17		11:00:00 AM		82	Clear		FLIR GF-320 opticcal gas		Other
7	SW Greer Lake CPF-5	7/19/17	8:30:00 AM	11:00:00 AM		82	Clear		FLIR GF-320 opticcal gas		Valve

Number of Each Component pe for which Fugitive Emissions Detected * (§60.5420a(b)(7)(vii))	Type of Component Not Repaired as Required in §60.5397a(h) * (§60.5420a(b)(7)(viii))	Number of Each Component Type Not Repaired as Required in § 60.5397a(h) * (§60.5420a(b)(7)(viii))	Type of Difficult-to- Monitor Components Monitored * (§60.5420a(b)(7)(ix))	Number of Each Difficult- to-Monitor Component Type Monitored * (§60.5420a(b)(7)(ix))	Type of Unsafe-to- Monitor Component Monitored * (\$60.5420a(b)(7)(ix))	Number of Each Unsafe-to- Monitor Component Type Monitored * (§60.5420a(b)(7)(ix))	Date of Successful Repair of Fugitive Emissions Component (\$60.5420a(b)(7)(x))	Type of Component Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	Number of Each Component Type Plac on Delay of Repair (§60.5420a(b)(7)(xi
ı.: 3	e.g.: Valve	e.g.: 1	e.g.: Valve	e.g.: 1	e.g.:Valve	e.g.: 1	e.g.: 11/10/16	e.g.: Valve	e.g.: 1
	NA		NA	NA	NA	NA	7/31/17	Valve	
	NA		NA	NA	NA	NA	7/24/17		
	NA		NA	NA	NA	NA		Connector	
	NA NA		NA	NA	NA	NA	7/31/17		
	NA NA		NA	NA	NA	NA	7/24/17		
	NA NA		NA	NA	NA	NA	7/24/17		
	NA NA		NA NA	NA	NA	NA	7/31/17	Valve	
	NA NA		NA NA	NA NA	NA	NA	7/24/17	Flange	
	NA		NA NA	NA NA	NA	NA	7/24/17		
	NA .		NA NA	NA NA	NA NA	NA	7/24/17		
	NA		NA	NA NA	NA NA	NA NA	7/24/17		
	NA		NA	NA	NA	NA NA	7/24/17		
1	NA		NA	NA	NA	NA NA	7/24/17		
1	NA		NA	NA	NA	NA	7/18/17	a	
1	NA		NA	NA	NA	NA	7/27/17	Other	
	NA	0	NA	NA	NA	NA	7/18/17 7/18/17		
	NA	0	NA	NA	NA .	NA	7/18/17		
	NA	0	NA	NA	NA	NA	7/18/17		
	NA	0	NA	NA	NA	NA	7/17/17		
	NA		NA	NA	NA	NA	7/20/17	Other	
	NA		NA	NA	NA	NA	7/17/17	Other	
	NA		NA	NA	NA	NA	7/17/17		
	NA NA		NA	NA	NA	NA		Connector	
	NA NA		NA	NA	NA	NA	7/26/17		
	NA NA		NA	NA	NA	NA	7/26/17	Other	
	NA NA		NA NA	NA	NA	NA	7/19/17		
	NA NA			NA	NA	NA	7/26/17	Flange	
	NA		NA NA	NA NA	NA	NA	7/19/17		
	NA		NA NA	NA NA	NA NA	NA	7/26/17	Other	
	NA		NA	NA NA	NA NA	NA .	7/19/17		
	NA		NA	NA	NA NA	NA NA	7/25/17		
	NA		NA	NA	NA	NA NA	7/25/17	***************************************	
1	NA		NA	NA	NA	NA NA	7/25/17	-	
	NA		NA	NA	NA	NA NA		Connector	
	NA	0	NA	NA	NA	NA	8/3/17 7/26/17		
	NA		NA	NA	NA	NA	7/24/17		
	NA		NA	NA	NA	NA	7/18/17	i initige	
	NA		NA	NA	NA	NA	7/18/17		
	NA		NA	NA	NA	NA	7/26/17	Other	
	NA NA		NA	NA	NA	NA		Compressor	
	NA NA		NA	NA	NA	NA	7/24/17		
	NA NA		NA		NA	NA	7/18/17		
	NA NA		NA NA	NA	NA	NA	7/26/17	Other	
	NA NA		NA NA	NA	NA	NA	7/18/17		
	NA NA		NA NA	NA	NA	NA	7/24/17	Other	
	NA		NA NA	NA NA	NA NA	NA	7/18/17		
	NA		NA NA	NA NA	NA NA	NA NA		Compressor	
	NA		NA	NA NA		NA NA	7/19/17		
	NA		NA		NA NA	NA NA	7/24/17		
	NA		NA	NA NA	NA NA	NA NA		Compressor	
	NA		NA	INC)	INA	NA	7/19/17		

		OGI	Compressor S	tation Affected Facility Only
Explanation for Delay of Repair * (§60.5420a(b)(7)(xl))	Type of Instrument Used to Resurvey Repaired Components Not Repaired During Original Survey * (§60.5420a(b)(7)(xii))	Training and Experience of Surveyor * (\$60.5420a(b)(7)(iii))	Was a monitoring survey waived under § 60.5397a(g)(5)? * (§60.5420a(b)(7))	if a monitoring survey was walved, the calendar months that make up the quarterly monitoring period for which the monitoring survey was waived. * (\$60.5420a(b)(7))
e.g.: Unsafe to repair until next shutdown	e.g.: Company ABC optical gas imaging camera	e.g.: Trained thermographer; completed 40-hour course at XYZ Training Center. Has 10 years of experience with OGI surveys.	e.g.: Yes	e.g.: January; February; and March
Parts Out Of Stock	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
Shutdown Required	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
Shutdown Required	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
Charles D. J. J.	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
Shutdown Required Parts Out Of Stock	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
Parts Out Of Stock	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
and out of Stock	FLIR GF-320 OGI camera FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house, 200 hrs.	No	NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
The second secon	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs. Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No No	NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No No	NA NA
Shutdown Required	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA .
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
Shutdown Required	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
Shutdown Required	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
Shutdown Required	FLIR GF-320 OGI camera FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
Shutdown Required	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs. Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No No	NA
Shutdown Required	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA NA
Shutdown Required	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
Shutdown Required	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
Shutdown Required Shutdown Required	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
Shutdown Required	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
silataowii Required	FLIR GF-320 OGI camera FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 9.5 hrs.	No	NA
MANAGER CONTROL OF THE PROPERTY OF THE PROPERT		Initial OGI training by FLIR 2013. Annual in house, 66 hrs.	No	NA
Parts Out Of Stock		Initial OGI training by FLIR 2013. Annual in house. 200 hrs. Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No No	NA NA
Shutdown Required		Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No No	NA NA
Shutdown Required	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 9.5 hrs.	No	NA NA
		Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA NA
arts Out Of Stock	0.00 0.00	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA NA
		Initial OGI training by FLIR 2013. Annual in house. 9.5 hrs.	No	NA NA
Shutdown Required	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
		Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
		Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
		Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
Shutdown Required		Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
		Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA
	FLIR GF-320 OGI camera	Initial OGI training by FLIR 2013. Annual in house. 200 hrs.	No	NA

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each affected facility, an owner or operator must include the information specified in paragraphs (b)(1)(i) through (iv) of this section in all annual reports:

				SITE INFORMATION							ALTERNATIVE ADDRESS INFO
Facility Record No. (Field value will automatically generate if a value is not entered.)	Company Name * (560.5420a(b)(1)(i))	Facility Site Name * (§60.5420a(b)(1)(i))	US Well ID or US Well ID Associated with the Affected Facility, if applicable. * (§60.5420a(b)(1)(i))	Address of Affected Facility * (§60.5420a(b)(1)(i))	Address 2	City *	County *	State Abbreviation *	Zip Code *	Responsible Agency Facility ID (State Facility Identifier)	Description of Site Location (§60.5420a(b)(1)(i))
	e.g.: ABC Company	e.g.: XYZ Compressor Station	e.g.: 12-345-67890-12	e.g.: 123 Main Street	e.g.: Suite 100	e.g.: Brooklyn	e.g.: Kings Count	y e.g.: NY	e.g.: 11221		e.g.: 7 miles NE of the intersection of Hwy 123 and
1	DeSoto Gathering Comp	Gravel Hill CPF-2				Cleveland	V 2				Hwy 456
	DeSoto Gathering Comp					Scotland	Van Buren	AR		71-00315	
	DeSoto Gathering Comp			(D)		Searcy	Van Buren	AR		71-00396	
4		Phillips Mountain CPF-			()	Cleveland	White	AR		73-00756	
	DeSoto Gathering Comp	THE RESIDENCE OF STREET, SALES AND ADDRESS OF THE PARTY O				Clinton	Conway Van BUren	AR		15-00606	
	DeSoto Gathering Comp					Clinton	Van BUren	AR AR		71-00370	
7		SW Green Lake CDF F				Clinton	Van Buren	AR		71-00440 71-00441	

MATION (IF NO PHYSICAL ADDRE	SS AVAILABLE FOR SITE *)	REPORTING II	NFORMATION	PE Certification	ADDITION	AL INFORMATION
Latitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Longitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Beginning Date of Reporting Period.* (§60.5420a(b)(1)(iii))	Ending Date of Reporting Period.* (§60.5420a(b)(1)(iii))	Please provide the file name that contains the certification signed by a qualified professional engineer for each closed vent system routing to a control device or process. * (\$60.5420a(b):12)) Please provide only one file per record.	Please enter any additional information.	Enter associated file name reference.
e.g.: 34.12345	e.g.: -101.12345	e.g.: 01/01/2016	e.g.: 06/30/2016	e.g.: Certification.pdf or XYZCompressorStation.pdf		e.g.: addlinfo.zip or XYZCompressorStation .pdf
	()	8/2/2016	8/2/2017			
		8/2/2016 8/2/2016	8/2/2017 8/2/2017			
\	/ / /	8/2/2016	8/2/2017			
		8/2/2016	8/2/2017			
		8/2/2016	8/2/2017			
		8/2/2016	8/2/2017			



After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.

Fold the printed page along the horizontal line.

3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery,misdelivery,or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental,consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss.Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.



After printing this label:

1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.

2. Fold the printed page along the horizontal line.

3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.

Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com.FedEx will not be responsible for any claim in excess of \$100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim.Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of \$100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is \$1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.



October 30, 2017

CERTIFIED MAIL # 7012 2920 0001 9096 0828

Return Receipt Requested

U.S. EPA Region 6 Director Air, Pesticides, and Toxics Division Fountain Place 12th Floor, Suite 1200 1445 Ross Avenue Dallas, TX 75202-2733

Re:

40 CFR 60 Subpart OOOOa Annual Report

BHP Billiton Petroleum - Fayetteville Production Unit

Arkansas

To Whom It May Concern:

In accordance with 40 CFR Part 60.5420a(b), BHP Billiton Petroleum (BHP) is submitting this initial NSPS Subpart OOOOa Annual Report for the BHP Fayetteville Production Unit operations located in Arkansas.

This annual report covers the effective reporting period of August 2, 2016 to August 2, 2017 as determined in accordance with the provisions of §60.5410a, and contains the information specified in paragraphs (b)(1) through (8) and (12) of §60.5420a, as applicable.

There are zero affected facilities identified or reported in this annual report.

Should you have any questions concerning this submittal, please contact me at (713) 499-5596 or by email at Kathleen.Palmer@bhpbilliton.com.

Sincerely,

Kathleen A. Palmer, P.E.

Principal Environmental Engineer

Kathleer a. Palen

Enclosure(s)



40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

R	HP	REPORTING PERIOD:	8/2/1	6 to	8/2/17
			General Inf	formation	
Company	y Name:	BHP Billiton Petrole	um	,	
Operatio	ons Area:	Shale Operations - F	ayetteville Pro	duction Unit,	, Arkansas
			Mailing A	Address	
Street:	1500 Post	Oak Blvd			
City:	Houston		*	County:	Harris
State:	TX			Zip Code:	77056
			Responsibl	le Official	
Name:	Ben Ziker		Title:	Operations	Manager
Email:	ben.ziker@	bhpbilliton.com	Phone:	713-966-71	183
			Report P	reparer	
Name:	Kathleen A	. Palmer, P.E.	Title:	Principal E	nvironmental Engineer
Email:	kathleen.	palmer@bhpbilliton.com	Phone:	713-499-55	596
		Affected Facilities			Included in this report?
	Completio	ons of hydraulically fractured v	vells		No
	R	eciprocating Compressors			No
		Pneumatic Controllers			No -
		Storage Vessels			No
	Pı	neumatic Diaphragm Pump			No

Certification

Collection of fugitive emission components

I hereby certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

No

Ben Ziker	Operations Manager
Name of Responsible Official	Title
Hen I	10-30-17
Signature of Responsible Official	Date signed



October 30, 2017

CERTIFIED MAIL # 7012 2920 0001 9096 0828 Return Receipt Requested

U.S. EPA Region 6
Director Air, Pesticides, and Toxics Division
Fountain Place 12th Floor, Suite 1200
1445 Ross Avenue
Dallas, TX 75202-2733

Re:

40 CFR 60 Subpart OOOOa Annual Report

BHP Billiton Petroleum - Fayetteville Production Unit

Arkansas

To Whom It May Concern:

In accordance with 40 CFR Part 60.5420a(b), BHP Billiton Petroleum (BHP) is submitting this initial NSPS Subpart OOOOa Annual Report for the BHP Fayetteville Production Unit operations located in Arkansas.

This annual report covers the effective reporting period of August 2, 2016 to August 2, 2017 as determined in accordance with the provisions of §60.5410a, and contains the information specified in paragraphs (b)(1) through (8) and (12) of §60.5420a, as applicable.

There are zero affected facilities identified or reported in this annual report.

Should you have any questions concerning this submittal, please contact me at (713) 499-5596 or by email at Kathleen.Palmer@bhpbilliton.com.

Sincerely,

Kathleen A. Palmer, P.E.

Principal Environmental Engineer

Kathleen a. Palen

Enclosure(s)



40 CFR 60 SUBPART OOOOa | ANNUAL REPORT

D	REPORTING PERIOD	8/2/1	.6 to 8/2/17
		General Inj	formation
Company	y Name: BHP Billiton P	etroleum	
Operatio	ons Area: Shale Operation	ons - Fayetteville Pro	oduction Unit, Arkansas
		Mailing /	Address
Street:	1500 Post Oak Blvd		
City:	Houston		County: Harris
State:	TX		Zip Code: 77056
		Responsibl	le Official
Name:	Ben Ziker	Title:	Operations Manager
Email:	ben.ziker@bhpbilliton.com	Phone:	713-966-7183
		Report P	Preparer
Name:	Kathleen A. Palmer, P.E.	Title:	Principal Environmental Engineer
Email:	kathleen.palmer@bhpbilliton.com	n Phone:	713-499-5596
	Affected Facilities		Included in this report?
	Completions of hydraulically fractu	ured wells	No
	Reciprocating Compressor	rs	No
	Pneumatic Controllers		No -
	Storage Vessels		No
	Pneumatic Diaphragm Pun	np	No
	Collection of fugitive emission con	nponents	No

Certification

I hereby certify that, based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

Ben Ziker	Operations Manager
Name of Responsible Official	Title
Van /	10-30-17
Signature of Responsible Official	Date signed



RECEIVED US EPA, DALLAS, TX ASSOCIATE DIRECTOR

17 NOV - 1 AM 11:55

& ENFORCEMENT DIV.

October 27, 2017

VIA CERTIFIED MAIL #9414 8108 9876 5000 4989 39

Director; Air, Pesticides, and Toxics Division U.S. Environmental Protection Agency 1445 Ross Avenue, Suite 1200 Dallas, TX 75202

Re:

NSPS Subpart OOOOa Annual Report

Mockingbird Midstream Gas Services, LLC (MMGS)

Heavy Compressor Station - RN107807331

Permit No. 124530

To Whom It May Concern:

Per 40 C.F.R. §60.5420a(b), Mockingbird Midstream Gas Services (MMGS) is submitting the annual report for 40 CFR 60 Subpart OOOOa affected facilities for the reporting period August 2, 2016 to August 2, 2017. Enclosed is information regarding the affected facilities. If you have any 210.479.4538 regarding this notice, please contact me at or at questions Jim. Wiatrek@williams.com Marina 682.730.4872 contact Turati at at or Marina.Turati@williams.com.

Sincerely,

Jim Wiatrek

Environmental Specialist

Williams

Enclosures:

NSPS Subpart OOOOa Annual Report

Director; Air, Pesticides and Toxics Division October 27, 2017 Page | 2

Cc: Mr. Jaime A. Garza

TCEQ Region 16 Office 707 E. Calton Rd., Ste. 304 Laredo, TX 78041-3887

VIA CERTIFIED MAIL #9414 8108 9876 5000 4989 46

Field Operations Support Division (FOSP)

TCEQ, MC-174 P.O. Box 13087

Austin, TX 78711-3087

VIA CERTIFIED MAIL #9414 8108 9876 5000 4989 53

Mockingbird Midstream Gas Services, L.L.C. 5601 East 1st Street Fort Worth, TX76103

NSPS Subpart 0000a Annual Report

Facility Information						
Company Name	Mockingbird Midstream Gas Services LLC (MMGS)					
Facility Name	Heavy Compressor Station – RN107807331					
Mailing Address Mockingbird Midstream Gas Services LLC 5601 East 1st Street Fort Worth, TX 76103						
Location Info Heavy Compressor Station						
Reporting Period August 2, 2016 – August 2, 2017						
	Affected Facilities					
Well Completions (for hydraulically fractured wells)	No affected facilities of this type.					
Pneumatic Controllers	No newly affected facilities of this type.					
Wet Seals Centrifugal Compressors	No affected facilities of this type.					
Reciprocating Compressors	Heavy Compressor Station					
	Serial No. F-49114 – Compressor Engine Unit #806212 Serial No. F-49076 - Compressor Engine Unit #806211					
Storage Vessels	No affected facilities of this type.					
Fugitive Emissions Compression added during the reporting period. However, units did not trigger LDAR surveys during the reporting period						

Heavy Compressor Station - RN107807331				
Reciprocating	Compressors			
Affected Facility	Serial No. F-49114 Compressor Engine Unit # 806212			
Number of Hours or Months Since Last Packing Rod Replacement/Start-Up/October 15, 2012 (whichever is later)	Run hours since start-up (06/21/2017): 785.33 hours			
Deviations from compliance during this period (Yes/No)	No			
Reciprocating	Compressors			
Affected Facility	Serial No. F-49076 Compressor Engine Unit #806211			
Number of Hours or Months Since Last Packing Rod Replacement/Start-Up/October 15, 2012 (whichever is later)	Run hours since start-up (unit was not started-up during the reporting period): N/A			
Deviations from compliance during this period (Yes/No)	No			

Certification by Responsible Official						
Based on information and belief formed after reasonable inquiry, the statements and information in						
this report are true, accurate and c	this report are true, accurate and complete.					
Name of Responsible Official	Name of Responsible Official John Hatton					
Signature of Responsible Official	Mulland					
Date	30 Oct 2017					







October 30, 2017

U.S. EPA Region 6 Compliance and Enforcement, 6EN 1445 Ross Avenue, Suite 1200 Dallas, TX 75202

Subject: NSPS Subpart OOOOa Annual Report

Reporting Period: January 15, 2016 through August 2, 2017

Cowtown Pipeline Partners LP Cowtown Gas Processing Partners LP

Dear Sir or Madam:

Crestwood Midstream Partners LP, on behalf of its subsidiaries, (collectively, "Crestwood") is submitting the enclosed New Source Performance Standards (NSPS) Subpart OOOOa Annual Report for the initial compliance period of January 15, 2016 through August 2, 2017 (determined in accordance with 40 CFR §60.5410a). This report includes information on affected facilities located at the following facilities:

Facility Name	TCEQ Regulated Entity Number	Owner & Operator	TCEQ Customer Reference Number	Facility Address	
Lake Arlington Compressor Station	RN105227763	Cowtown Pipeline Partners LP	CN603526823	(b) (9)
West Johnson County Compressor Station	RN104927876	Cowtown Gas Processing Partners LP	CN603246950	()	

Both compressor stations are subject to fugitive emission component monitoring in 40 CFR §60.5397a. The original deadline to perform initial monitoring was June 3, 2017, per §60.5397a(f)(2). Effective June 2, 2017, EPA stayed the compressor station monitoring requirements until August 31, 2017. This was followed by a proposed two-year stay of requirements, published on June 16, 2017. Prior to the 90-day stay, Crestwood had begun preparing the monitoring plan and for surveys. This work was halted when EPA issued the 90-day stay. On July 3, 2017, the U.S. Court of Appeals for the D.C. Circuit vacated EPA's 90-day stay, which took effect on July 27, 2017.

Since then, Crestwood has taken several steps to come into compliance with the compressor station monitoring requirements. Crestwood met internally on July 27, 2017 to prepare an implementation plan. Crestwood met with contractors on August 31, 2017, to continue work on the monitoring plans. The initial monitoring at the Lake Arlington Compressor Station was performed on October 26, 2017. The initial monitoring at the West Johnson Compressor Station will be scheduled before the end of CY2017. The next annual report will contain the information required in §60.5420a(b)(7).

Connections for America's Energy

Certification of Truth, Accuracy, and Completeness

Responsible Official / Delegated Authority	
Name: (Last) <u>Treadaway</u> (First) <u>Jayson</u>	-
Title _ Director, Operations Barnett	
Street or P.O. Box <u>2400 CR 326</u>	
City <u>Cleburne</u> State <u>TX</u> ZIP <u>76033</u>	
Telephone (817) 339 - 5500	
I, <u>layson Treadaway</u> , certify that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete	
Signed Jun + my Date: 10-30-17	



October 27, 2017

US EPA, Region 6 Compliance Assurance and Enforcement Division, Air Enforcement Section (6EN-AA) 1445 Ross Avenue, Ste. 1200 Dallas, TX 75202-2733

Re:

NSPS OOOOa Annual Report - 8/2/2016 - 8/2/2017

Crestwood Arkansas Pipeline LLC

Dear Ms. Seager, Director:

Crestwood Midstream Partners LP on behalf of Crestwood Arkansas Pipeline LLC (Crestwood), is submitting the New Source Performance Standard (NSPS) subpart OOOOa Annual Report for the period of 8/2/2016 – 8/2/2017. This report includes information on one reciprocating compressor in order to comply with 40 CFR §60.5420a (b). Crestwood does not operate any gas wells, storage vessels, centrifugal compressors, pneumatic controllers, or collection of fugitive emission components that would be considered affected facilities. All storage vessels operated by Crestwood Arkansas Pipeline LLC have enforceable permit limits of less than 6 tons of volatile organic compounds (VOC) per year and are therefore not NSPS OOOOa affected sources.

Please see below the annual report:

Crestwood Arkansas Pipeline LLC

Wilson Creek Compressor Station,

Clinton, AR 72301 – Van Buren County

AFIN¹: 71-00336

Tracking No. 1868-AGP-130

Reciprocating Compressor

Source ID	Startup/Last Rod Packing Date	Months in Service ²	Compressor Serial Number	Deviations
Compressor 2	4/18/2016	15	F-36772	None

Compressor Serial No. SN-F-36772 was installed at the site on April 28th, 2016, as a replacement for Compressor Serial No. HSR0053147; this is the initial NSPS OOOOa annual report for this source. Please note that in accordance with 40 CFR §60.5365a(j) a "modification" to a compressor station did not occur since the replacement compressor is smaller total horsepower. Therefore, the requirements under NSPS OOOOa for the collection of fugitive emissions components at a compressor station were not triggered for the Wilson Creek CS.

If you have any questions or require additional information, please contact me at (817) 339-5474.

Regards,

If Sterl

¹ The Air Facility Identification Number (AFIN) and Tracking Number are assigned by the Arkansas Department of Environmental Quality (ADEQ) and listed here for reference.

Quality (ADEQ) and listed here for reference.

² Compressor 2 installed was at this facility on April 28th, 2016.

Jeff Stovall, P.E. Director, Environmental

CMPLP - files, ADEQ

Enclosures

e/cc:

EPA Region 6 October 30, 2017 Page 2

Crestwood does not operate any other NSPS OOOOa affected facilities at either location. Should you require any additional information, please contact Jeff Stovall at (817) 339-5474, or via e-mail at Jeff.Stovall@crestwoodlp.com.

Sincerely,

Jayson Treadaway

Director, Operations Barnett

Enclosure

cc: Chris Humes, Crestwood Midstream Partners LP Jeff Stovall, Crestwood Midstream Partners LP



| 7 NOV - | AM II: 55 | Conway, AR 72032 | (501) 548-6700

October 27, 2017

USEPA Administrator

Mr. Scott Pruitt

William Jefferson Clinton Building 1200 Pennsylvania Avenue, N.W.

Mail Code: 1101A Washington, DC 20460 Phone: (202) 564-4700

USEPA Region VI (6EN-A)

Mr. Steve Thompson, Branch Chief 1445 Ross Avenue, Suite 1200

Mail Code: 6EN Dallas, TX 75202

Phone: (214) 665-2769

Arkansas Department of Environmental Quality

Air Division Manager Mr. Thomas Rheaume 5301 Northshore Drive North Little Rock, AR 72118

Phone: (501) 682-0762

RE: SWN Production (Arkansas) LLC - NSPS 40 CFR Part 60 Subpart OOOOa

To Whom It May Concern:

DeSoto Gathering Company, LLC respectfully submits the enclosed Annual Report per requirements in 60.5420(b).

If you have any questions regarding the information in the notifications, please contact me at (501) 548-6571 or at jacob wesson@swn.com.

Sincerely,

Jacob Wesson

Environmental Air Specialist

NSPS OOOOa Annual Report Pursuant to 40 CFR § 60.5420(b)

-	ny Informa 660.5420(b)(1)	ation			
Company Name: Southwestern Energy	/ Company - SWN	Production (Arl	kansas) LL(
Company Mailing Address: 1000 SWN Drive Street Address		onway iity	AR State	72032 Zip Code	-
Technical	l Contact Informat	tion			
Contact Name: Jacob Wesson					
Contact Phone Number: (501) 548-6571					•
Contact Email Address: jacob wesson@swn.c	com				
Repo	rting Perio	d			
Compliance Perio	od Start Date:	8/2/2016			
Compliance Per	iod End Date:	8/2/2017			
Certification of Truth, Accurac	cy, and Cor	mpletene	SS (By Res	sponsible Official)	
Statement of Certification: Based on information and belief to document are true	formed after reasuue, accurate, and		the statem	nents and information	n in the
Name of Certifying Official: Ryan Ainsworth					
Phone Number: (501) 548-6634		-A			
Email Address: <u>ryan_ainsworth@swn.</u>	com				
Signature: Title of Certifying Official: SWN Production (Arka	ansas) LLC Area G		Date 	:: 10/31/2017	-

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report For each affected facility, an owner or operator must include the information specified in paragraphs (b)(1)(i) through (iv) of this section in all annual reports:

		SITE INFORMATION						REPORTING IN	IFORMATION	ADDITIONAL INFO	ORMATION
Facility Record No. *	Company Name * (§60.5420a(b)(1)(i))	Facility Site Name * (§60.5420a(b)(1)(i))	US Well ID or US Well ID Associated with the Affected Facility, if applicable. * (§60.5420a(b)(1)(i))	County *	State Abbreviation *	Latitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Longitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Beginning Date of Reporting Period.* (§60.5420a(b)(1)(iii))	Ending Date of Reporting Period.* (§60.5420a(b)(1)(iii))	Please enter any additional information.	Enter associate file name reference
1	Southwestern Energy Company	AUSTIN 11-9 1-33H28	30231111700	CLEBURNE	AR			10/17/2016	8/2/2017		
2	Southwestern Energy Company	AUSTIN 11-9 2-33H28	30231111800	CLEBURNE	AR			10/19/2016	8/2/2017		
3	Southwestern Energy Company	AUSTIN 11-9 3-33H28	30231111900	CLEBURNE	AR			10/21/2016	8/2/2017		
4	Southwestern Energy Company	AUSTIN 11-9 4-33H27	30231112000	CLEBURNE	AR			10/23/2016	8/2/2017		
5	Southwestern Energy Company	AUSTIN 11-9 5-33H	30231118500	CLEBURNE	AR			10/10/2016	8/2/2017		
6	Southwestern Energy Company	AUSTIN 11-9 7-33H9	30231118700	CLEBURNE	AR			10/12/2016	8/2/2017		
7	Southwestern Energy Company	BARNETT 9-10 2-1H36	30231119800	CLEBURNE	AR			9/17/2016	8/2/2017		
8	Southwestern Energy Company	BARNETT 9-10 3-1H36	30231119900	CLEBURNE	AR			9/14/2016	8/2/2017		
9	Southwestern Energy Company	BEAVERS 9-8 5-22H26	31451155700	WHITE	AR			4/9/2017	8/2/2017		
10	Southwestern Energy Company	BECK CATHERINE 8-17 2-26H	30291138900	CONWAY	AR			8/2/2016	8/2/2017		
11	Southwestern Energy Company	BENNETT TRUST 8-12 6-11H3	30451058100	FAULKNER	AR			8/10/2016	8/2/2017		
12	Southwestern Energy Company	BOYLE 8-16 10-11H23	30291145000	CONWAY	AR			8/2/2016	8/2/2017		
13	Southwestern Energy Company	BOYLE 8-16 6-11H14	30291144600	CONWAY	AR			8/2/2016	8/2/2017		
14	Southwestern Energy Company	BOYLE 8-16 7-11H23	30291144700	CONWAY	AR			8/2/2016			
15	Southwestern Energy Company	BOYLE 8-16 8-11H23	30291144800	CONWAY	AR			8/2/2016			
16	Southwestern Energy Company	BOYLE 8-16 9-11H23	30291144900	CONWAY	AR			8/2/2016			
17	Southwestern Energy Company	BRYANT RALPH 9-14 15-16H9	30291141200	CONWAY	AR			8/2/2016			
18	Southwestern Energy Company	COOK 9-8 12-25H31	31451153900	WHITE	AR			8/2/2016			
19	Southwestern Energy Company	COOK 9-8 14-25H36	31451154100	WHITE	AR			4/17/2017			
20	Southwestern Energy Company	COOK 9-8 15-25H1	31451154200	WHITE	AR			4/23/2017			
21	Southwestern Energy Company	DECKARD 10-9 2-3H	30231116300	CLEBURNE	AR			10/5/2016			
22	Southwestern Energy Company	DECKARD 10-9 3-3H	30231116400	CLEBURNE	AR			10/1/2016			
23	Southwestern Energy Company	DECKARD 10-9 4-3H	30231116500	CLEBURNE	AR			9/25/2016			
24	Southwestern Energy Company	DENNIS 8-13 5-20H17	30451052600	FAULKNER	AR			8/2/2016			
25	Southwestern Energy Company	DENNIS 8-13 6-20H17	30451052700	FAULKNER	AR			8/2/2016	8/2/2017		
26	Southwestern Energy Company	DENNIS 8-13 8-20H21	30451059600	FAULKNER	AR			12/15/2016			
27	Southwestern Energy Company	DENNIS 8-13 9-20H16	30451059700	FAULKNER	AR			12/4/2016			
28	Southwestern Energy Company	DESALVO TONY 8-14 2-6H36	30291143600	CONWAY	AR			11/11/2016			
29	Southwestern Energy Company	DESALVO TONY 8-14 3-6H31	30291143700	CONWAY	AR			11/6/2016			
30	Southwestern Energy Company	DUDECK LAND 11-10 5-17H8	30231116900	CLEBURNE	AR			8/2/2016			
31	Southwestern Energy Company	DUDECK LAND 11-10 6-17H8	30231117000	CLEBURNE	AR			11/16/2016			
32	Southwestern Energy Company	DUDECK LAND 11-10 7-17H8	30231117100	CLEBURNE	AR			11/18/2016			
	Southwestern Energy Company	DUDECK LAND 11-10 8-17H8	30231117200		AR			11/26/2016			
34	Southwestern Energy Company	DUDECK LAND 11-10 9-17H8	30231122400		AR			11/29/2016			
35	Southwestern Energy Company	EDWARDS J 9-14 7-36H26	31411184600		AR			11/20/2016			
36	Southwestern Energy Company	EDWARDS J 9-14 8-36H26	31411184700		AR			8/2/2016			
37	Southwestern Energy Company	EDWARDS J 9-14 9-36H26	31411184800	VAN BUREN	AR			8/2/2016			
38	Southwestern Energy Company	ENGLISH 9-8 10-27H35	31451152200		AR			2/4/2017			
39	Southwestern Energy Company	ENGLISH 9-8 11-27H35	31451155800		AR			8/2/2016			
40	Southwestern Energy Company	ENGLISH 9-8 12-27H35	31451155900	WHITE	AR			8/2/2016	8/2/2017		

4 Southwestern Energy Company Policy 19-81 19-31 1345155600 19-11 AR								
46 Southwestern Fronty Company Woldself 9 & 17 -77 Wid 2 31 45 115 7000 WHITE AR	41 S	Southwestern Energy Company	ENGLISH 9-8 13-27H21	31451156600	WHITE	AR	T	
46 Southwestern Fronty Company Woldself 9 & 17 -77 Wid 2 31 45 115 7000 WHITE AR	42 S	Southwestern Energy Company	ENGLISH 9-8 14-27H21	31451156700	WHITE	AR		
46 Southwestern Fronty Company Woldself 9 & 17 -77 Wid 2 31 45 115 7000 WHITE AR	43 S	Southwestern Energy Company	ENGLISH 9-8 15-27H21	31451156800	WHITE	AR		
46 Southwestern Energy Company MARION SOL 94 64 38 HST 30291108900 COMWAY AR 48 49 Southwestern Energy Company MARION SOL 91 64 38 HST 30291108900 COMWAY AR 49 Southwestern Energy Company MARION SOL 91 65 13 HST 49 3045103900 COMWAY AR 49 Southwestern Energy Company MARION ST 91 54 14 PH 30451031900 PALIAVER AR 49 Southwestern Energy Company MARION ST 91 15 15 Southwestern Energy Company MARION ST 91 14 14 PH 30451032000 FAULKVER AR AR 49 Southwestern Energy Company MARION ST 91 14 14 PH 30451032000 FAULKVER AR 48 MARION ST 91 14 PH 30451032000 FAULKVER AR 48 MARION ST 91 14 PH 30451032000 FAULKVER AR 48 MARION ST 91 14 PH 30451032000 FAULKVER AR 48 MARION ST 91 14 PH 30451032000 FAULKVER AR 48 MARION ST 91 14 PH 30451032000 FAULKVER AR 48 MARION ST 91 14 PH 30451103000 FAULKVER AR 48 MARION ST 91 14 PH 30451103000 FAULKVER AR 48 MARION ST 91 14 PH 30451103000 FAULKVER AR 48 MARION ST 91 14 PH 304511103000 FAULKVER AR 48 MARION ST 91 14 PH 304511103000 FAULKVER AR 48 MARION ST 91 PH 48 MARION ST 91 14 PH 304511103000 FAULKVER AR 48 MARION ST 91 PH 48 MARI	44 S	Southwestern Energy Company	ENGLISH 9-8 16-27H34	31451156900	WHITE	AR		
Add	45 Sc	Southwestern Energy Company	ENGLISH 9-8 17-27H22	31451157000	WHITE	AR		
All Southwestern Energy Company All	46 Sc	outhwestern Energy Company	ENGLISH 9-8 9-27H22	31451152100	WHITE	AR		
49 Southwestern Energy Company ARRIS 8-13-4-19H 3045100:1900 FAULKINE AR AR ARRIS WELDON 9-9 3-11H2 30251120:000 CLEBURNE AR ARRIS WELDON 9-9 5-11H2 30251120:000 CURWAY ARRIVER ARRIV	47 Sc	Southwestern Energy Company	HALBROOK 9-16 4-18H ST1	30291108900	CONWAY	AR		
Southwestern Energy Company IARRIS 8-13 5-19H 30451052000 IAJUNIRE AR AR	48 Sc	outhwestern Energy Company	HALBROOK 9-16 5-18H	30291109000	CONWAY	AR		
Southwestern Energy Company ARRES WELDON 9 9 3-11H2 511 30221120000 (LEBURNE AR AR AR AR AR AR AR A	49 Sc	outhwestern Energy Company	HARRIS 8-13 4-19H	30451051900	FAULKNER	AR		
Southwestern Energy Company ARRES WELDON 9-9-4-11H2 30/231120000 CLEBURNE AR	50 Sc	outhwestern Energy Company	HARRIS 8-13 5-19H	30451052000	FAULKNER	AR		
Southwestern Energy Company MARRIS WELDON 9-9 5-11H2 30231120600 CLEBURNE AR	51 Sc	outhwestern Energy Company	HARRIS WELDON 9-9 3-11H2 ST1	30231120400	CLEBURNE	AR		
Southwestern Energy Company MARRIS WELDON 9-9 7-11H2 30231120700 CLEBURNE AR	52 Sc	outhwestern Energy Company	HARRIS WELDON 9-9 4-11H2	30231120500	CLEBURNE	AR		
Southwestern Energy Company HARRIS WELDON 9-9 7-11H2 30231120900 CLEBURNE AR AR Southwestern Energy Company HARRIS WELDON 9-9 8-11H2 3023112000 CLEBURNE AR AR Southwestern Energy Company HARRIS WELDON 9-9 8-11H1 30231121000 CLEBURNE AR AR Southwestern Energy Company MARRIS WELDON 9-9 8-11H1 30231121000 CLEBURNE AR AR Southwestern Energy Company LAWRENCE 8-12-5-14H28 30291142900 CONWAY AR AR AR AR AR AR AR	53 Sc	outhwestern Energy Company	HARRIS WELDON 9-9 5-11H2	30231120600	CLEBURNE	AR		
Southwestern Energy Company HARRIS WELDON 9-9 9-11H1 3032112000 CLEBUNE AR	54 Sc	outhwestern Energy Company	HARRIS WELDON 9-9 6-11H2	30231120700	CLEBURNE	AR		
Spring S	55 Sc	outhwestern Energy Company	HARRIS WELDON 9-9 7-11H2	30231120800	CLEBURNE	AR		
Southwestern Energy Company NGRAM 9-17 F-34H28 30291143000 CONWAY AR	56 Sc	outhwestern Energy Company	HARRIS WELDON 9-9 8-11H2	30231120900	CLEBURNE	AR		
Southwestern Energy Company INGRAM 9-17-7-34H28 30291143000 CONWAY AR	57 Sc	outhwestern Energy Company	HARRIS WELDON 9-9 9-11H1	30231121000	CLEBURNE	AR		
60 Southwestern Energy Company LAWRENCE 8-12 4-10H15 30451049800 FAULKNER AR	58 Sc	outhwestern Energy Company	INGRAM 9-17 6-34H28	30291142900	CONWAY	AR		
61 Southwestern Energy Company 62 Southwestern Energy Company 63 Southwestern Energy Company 64 Southwestern Energy Company 65 Southwestern Energy Company 66 Southwestern Energy Company 66 Southwestern Energy Company 67 Southwestern Energy Company 68 Southwestern Energy Company 69 Southwestern Energy Company 69 Southwestern Energy Company 70 Southwestern Energy Company 71 Southwestern Energy Company 72 Southwestern Energy Company 73 Southwestern Energy Company 74 Southwestern Energy Company 75 Southwestern Energy Company 76 Southwestern Energy Company 77 Southwestern Energy Company 78 Southwestern Energy Company 79 Southwestern Energy Company 79 Southwestern Energy Company 70 Southwestern Energy Company 71 Southwestern Energy Company 72 Southwestern Energy Company 73 Southwestern Energy Company 74 Southwestern Energy Company 75 Southwestern Energy Company 76 Southwestern Energy Company 77 Southwestern Energy Company 78 Southwestern Energy Company 79 Southwestern Energy Company 79 Southwestern Energy Company 70 Southwestern Energy Company 71 Southwestern Energy Company 72 Southwestern Energy Company 73 Southwestern Energy Company 74 Southwestern Energy Company 75 Southwestern Energy Company 76 Southwestern Energy Company 77 Southwestern Energy Company 78 Southwestern Energy Company 79 Southwestern Energy Company 70 Southwestern Energy Company 70 Southwestern Energy Company 71 Southwestern Energy Company 72 Southwestern Energy Company 73 Southwestern Energy Company 74 Southwestern Energy Company 75 Southwestern Energy Company 76 Southwestern Energy Company 77 Southwestern Energy Company 78 Southwestern Energy Company 79 Southwestern Energy Company	59 Sc	outhwestern Energy Company	INGRAM 9-17 7-34H28	30291143000	CONWAY	AR		
62 Southwestern Energy Company 63 Southwestern Energy Company 64 Southwestern Energy Company 65 Southwestern Energy Company 66 Southwestern Energy Company 66 Southwestern Energy Company 67 Southwestern Energy Company 68 Southwestern Energy Company 69 Southwestern Energy Company 69 Southwestern Energy Company 60 Southwestern Energy Company 60 Southwestern Energy Company 61 Southwestern Energy Company 62 Southwestern Energy Company 63 Southwestern Energy Company 64 Southwestern Energy Company 65 Southwestern Energy Company 66 Southwestern Energy Company 67 Southwestern Energy Company 68 Southwestern Energy Company 69 Southwestern Energy Company 69 Southwestern Energy Company 60 Southwestern Energy Company 60 Southwestern Energy Company 61 McMILLEN 8-14 6-35H 512 61 Southwestern Energy Company 62 Southwestern Energy Company 63 Southwestern Energy Company 64 Southwestern Energy Company 65 Southwestern Energy Company 66 Southwestern Energy Company 67 Southwestern Energy Company 68 Southwestern Energy Company 69 Southwestern Energy Company 60 Southwestern Energy Company 61 Southwestern Energy Company 62 Southwestern Energy Company 63 Southwestern Energy Company 64 Southwestern Energy Company 65 Southwestern Energy Company 66 Southwestern Energy Company 66 Southwestern Energy Company 67 Southwestern Energy Company 68 Southwestern Energy Company 69 Southwestern Energy Company 60 Southwestern Energy Company 61 Southwestern Energy Company 62 Southwestern Energy Company 63 Southwestern Energy Company 64 Southwestern Energy Company 65 Southwestern Energy Company 66 Southwestern Energy Company 66 Southwestern Energy Company 67 Southwestern Energy Company 68 Southwestern Energy Company 69 Southwestern Energy Company 60 S	60 Sc	outhwestern Energy Company	LAWRENCE 8-12 4-10H15	30451049800	FAULKNER	AR		
63 Southwestern Energy Company 64 Southwestern Energy Company 65 Southwestern Energy Company 66 Southwestern Energy Company 66 Southwestern Energy Company 66 Southwestern Energy Company 67 Southwestern Energy Company 68 Southwestern Energy Company 69 Southwestern Energy Company 60 Southwestern Energy Company 60 Southwestern Energy Company 61 Southwestern Energy Company 62 Southwestern Energy Company 63 Southwestern Energy Company 64 Southwestern Energy Company 65 Southwestern Energy Company 66 Southwestern Energy Company 67 Southwestern Energy Company 68 Southwestern Energy Company 69 Southwestern Energy Company 60 Southwestern Energy Company 60 Southwestern Energy Company 61 Southwestern Energy Company 62 Southwestern Energy Company 63 Southwestern Energy Company 64 Southwestern Energy Company 65 Southwestern Energy Company 66 Southwestern Energy Company 67 Southwestern Energy Company 68 Southwestern Energy Company 69 Southwestern Energy Company 60 Southwestern Energy Company 61 Southwestern Energy Company 62 Southwestern Energy Company 63 Southwestern Energy Company 64 Southwestern Energy Company 65 Southwestern Energy Company 66 Southwestern Energy Company 67 Southwestern Energy Company 68 Southwestern Energy Company 68 Southwestern Energy Company 69 Southwestern Energy Company 60 Southwestern Energy Company 60 Southwestern Energy Company 60 Southwestern Energy Company 61 Southwestern Energy Company 62 Southwestern Energy Company 63 Southwestern Energy Company 64 Southwestern Energy Company 65 Southwestern Energy Company 65 Southwestern Energy Company	61 Sc	outhwestern Energy Company	LAWRENCE 8-12 5-10H15	30451049900	FAULKNER	AR		
63 Southwestern Energy Company LEDBETTER TRUST 7-14 2-5:H4 30291135700 CONWAY AR 64 Southwestern Energy Company LEDBETTER TRUST 7-14 4-5:H4 3029113500 CONWAY AR 65 Southwestern Energy Company MARINES 10-12 1-12H1 30291135000 CONWAY AR 67 Southwestern Energy Company MARINES 10-12 1-12H1 30231123000 CLEBURNE AR 68 Southwestern Energy Company MCMILLEN 8-14 5-35H2 5T1 30451054400 FAULKNER AR 69 Southwestern Energy Company MCMILLEN 8-14 5-35H26 ST1 30451054500 FAULKNER AR 70 Southwestern Energy Company MCMILLEN 8-14 6-35H ST1 30451054500 FAULKNER AR 71 Southwestern Energy Company MCMILLEN 8-14 8-35H 30451054700 FAULKNER AR 72 Southwestern Energy Company MCNEW 9-16 7-2H34 30291143300 CONWAY AR 74 Southwestern Energy Company MCNEW 9-16 7-2H34 30291143400 CONWAY AR 75 Southwestern Energy Company MCNEW 9-16 9-2H34 30291134000 CONWAY AR 78 Southwestern Energy Company			LAWRENCE 8-12 6-10H15	30451050000	FAULKNER	AR		
Continuestern Energy Company LEDBETTER TRUST 7-14 5-5H4 30291136000 CONWAY AR AR AR AR AR AR AR	63 Sc	outhwestern Energy Company	LEDBETTER TRUST 7-14 2-5H4	30291135700	CONWAY	AR		
66 Southwestern Energy Company MARINES 10-12 1-12H1 30231123400 CLEBURNE AR 67 Southwestern Energy Company MARINES 10-12 2-12H1 30231123500 CLEBURNE AR 68 Southwestern Energy Company MCMILLEN 8-14 6-35H ST2 30451054400 FAULKNER AR 69 Southwestern Energy Company MCMILLEN 8-14 5-35H ST2 30451054500 FAULKNER AR 70 Southwestern Energy Company MCMILLEN 8-14 6-35H ST1 30451054500 FAULKNER AR 71 Southwestern Energy Company MCMILLEN 8-14 8-35H ST1 30451054600 FAULKNER AR 72 Southwestern Energy Company MCMILLEN 8-14 8-35H 30451054800 FAULKNER AR 73 Southwestern Energy Company MCMILLEN 8-14 8-35H 30451054800 FAULKNER AR 74 Southwestern Energy Company MCNEW 9-16 10-2H34 30291143300 CONWAY AR 75 Southwestern Energy Company MCNEW 9-16 8-2H34 30291143300 CONWAY AR 76 Southwestern Energy Company MCNEW 9-16 8-2H34 30291143300 CONWAY AR 77 Southwestern Energy Company MCNEW 9-16 9-2H34 30291143300 CONWAY AR 78 Southwestern Energy Company MCON 9-14 8-29H32 30291139400 CONWAY AR 79 Southwestern Energy Company MCON 9-14 8-29H32 30291139500 CONWAY AR 80 Southwestern Energy Company MCORE BILLE 10-12 3-36H 30231114000 CLEBURNE AR 81 Southwestern Energy Company MCORE BILLE 10-12 3-36H 30231114100 CLEBURNE AR 82 Southwestern Energy Company NEAL 9-8 5-26H22 31451156300 WHITE AR 83 Southwestern Energy Company PARNELL 10-7 10-21H28 3145115000 WHITE AR 84 Southwestern Energy Company PARNELL 10-7 12-21H16 3145115000 WHITE AR 85 Southwestern Energy Company PARNELL 10-7 12-21H16 3145115000 WHITE AR 86 Southwestern Energy Company PARNELL 10-7 2-21H16 31451116800 WHITE AR 87 Southwestern Energy Company PARNELL 10-7 12-21H16 31451116800 WHITE AR 88 Southwestern Energy Company PARNELL 10-7 2-21H16 31451116800 WHITE AR 89 Southwestern Energy Company PARNELL 10-7 12-21H16	64 Sc	outhwestern Energy Company	LEDBETTER TRUST 7-14 4-5H4	30291135900	CONWAY	AR		
67 Southwestern Energy Company 68 Southwestern Energy Company 69 Southwestern Energy Company 70 Southwestern Energy Company 71 Southwestern Energy Company 72 Southwestern Energy Company 73 Southwestern Energy Company 74 Southwestern Energy Company 75 Southwestern Energy Company 76 Southwestern Energy Company 77 Southwestern Energy Company 78 Southwestern Energy Company 79 Southwestern Energy Company 70 Southwestern Energy Company 70 Southwestern Energy Company 71 Southwestern Energy Company 72 Southwestern Energy Company 73 Southwestern Energy Company 74 Southwestern Energy Company 75 Southwestern Energy Company 76 Southwestern Energy Company 77 Southwestern Energy Company 78 Southwestern Energy Company 79 Southwestern Energy Company 70 Southwestern Energy Company 71 Southwestern Energy Company 72 Southwestern Energy Company 73 Southwestern Energy Company 74 Southwestern Energy Company 75 Southwestern Energy Company 76 Southwestern Energy Company 77 Southwestern Energy Company 78 Southwestern Energy Company 79 Southwestern Energy Company 70 Southwestern Energy Company 70 Southwestern Energy Company 70 Southwestern Energy Company 71 Southwestern Energy Company 71 Southwestern Energy Company 72 Southwestern Energy Company 73 Southwestern Energy Company 74 Southwestern Energy Company 75 Southwestern Energy Company 76 Southwestern Energy Company	65 Sc	outhwestern Energy Company	LEDBETTER TRUST 7-14 5-5H4	30291136000	CONWAY	AR		
68 Southwestern Energy Company MCMILLEN 8-14 4-35H ST2 30451054400 FAULKNER AR 69 Southwestern Energy Company MCMILLEN 8-14 5-35H26 ST1 30451054500 FAULKNER AR 71 Southwestern Energy Company MCMILLEN 8-14 6-35H ST1 30451054500 FAULKNER AR 72 Southwestern Energy Company MCMILLEN 8-14 8-35H 30451054500 FAULKNER AR 73 Southwestern Energy Company MCMILLEN 8-14 8-35H 30451054800 FAULKNER AR 74 Southwestern Energy Company MCNEW 9-16 10-2H34 30291143500 CONWAY AR 75 Southwestern Energy Company MCNEW 9-16 8-2H34 30291143300 CONWAY AR 76 Southwestern Energy Company MCNEW 9-16 8-2H34 30291143400 CONWAY AR 77 Southwestern Energy Company MCNEW 9-16 9-2H34 30291143400 CONWAY AR 79 Southwestern Energy Company MOND 9-14 8-29H32 30291139500 CONWAY AR 80 Southwestern Energy Company MON	66 Sc	outhwestern Energy Company	MARINES 10-12 1-12H1	30231123400	CLEBURNE	AR		
Southwestern Energy Company MCMILLEN 8-14 5-35H26 ST1 30451054500 FAULKNER AR MCMILLEN 8-14 6-35H ST1 30451054500 FAULKNER AR AR MCMILLEN 8-14 6-35H ST1 30451054600 FAULKNER AR AR MCMILLEN 8-14 8-35H 30451054600 FAULKNER AR AR MCMILLEN 8-14 8-35H 30451054800 FAULKNER AR MCNEW 9-16 9-2H34 30291143500 CONWAY AR MCNEW 9-16 9-2H34 30291143200 CONWAY AR MCNEW 9-16 9-2H34 30291143200 CONWAY AR MCNEW 9-16 9-2H34 30291143400 CONWAY AR MCNEW 9-16 9-2H34 30291139400	67 Sc	outhwestern Energy Company	MARINES 10-12 2-12H1	30231123500	CLEBURNE	AR		
70 Southwestern Energy Company MCMILLEN 8-14 6-35H ST1 30451054600 FAULKNER AR AR AR AR AR AR AR	68 Sc	outhwestern Energy Company	MCMILLEN 8-14 4-35H ST2	30451054400	FAULKNER	AR		
71 Southwestern Energy Company MCMILLEN 8-14 7-35H 30451054700 FAULKNER AR 72 Southwestern Energy Company MCMILLEN 8-14 8-35H 30451054800 FAULKNER AR 73 Southwestern Energy Company MCNEW 9-16 10-2H34 30291143500 CONWAY AR 74 Southwestern Energy Company MCNEW 9-16 7-2H34 30291143300 CONWAY AR 75 Southwestern Energy Company MCNEW 9-16 8-2H34 30291143300 CONWAY AR 76 Southwestern Energy Company MCNEW 9-16 9-2H34 30291143400 CONWAY AR 77 Southwestern Energy Company MCNEW 9-16 9-2H34 30291139400 CONWAY AR 78 Southwestern Energy Company MOON 9-14 7-29H32 30291139500 CONWAY AR 79 Southwestern Energy Company MOORE BILLIE 10-12 2-36H 30231114000 CLEBURNE AR 80 Southwestern Energy Company MOORE BILLIE 10-12 4-36H 3023111400 CLEBURNE AR 81 Southwestern Energy Company NEAL 9-8 6-2	69 Sc	outhwestern Energy Company	MCMILLEN 8-14 5-35H26 ST1	30451054500	FAULKNER	AR		
72 Southwestern Energy Company MCMILLEN 8-14 8-35H 30451054800 FAULKNER AR 73 Southwestern Energy Company MCNEW 9-16 10-2H34 30291143500 CONWAY AR 74 Southwestern Energy Company MCNEW 9-16 7-2H34 30291143200 CONWAY AR 75 Southwestern Energy Company MCNEW 9-16 8-2H34 30291143300 CONWAY AR 76 Southwestern Energy Company MCNEW 9-16 9-2H34 30291143400 CONWAY AR 77 Southwestern Energy Company MCNEW 9-16 9-2H34 30291139400 CONWAY AR 78 Southwestern Energy Company MOON 9-14 7-29H32 30291139400 CONWAY AR 79 Southwestern Energy Company MOON 9-14 8-29H32 30291139500 CONWAY AR 80 Southwestern Energy Company MOORE BILLIE 10-12 2-36H 30231114000 CLEBURNE AR 81 Southwestern Energy Company MORE BILLIE 10-12 4-36H 30231114200 CLEBURNE AR 82 Southwestern Energy Company NEA 19-8 5-26H22	70 Sc	outhwestern Energy Company	MCMILLEN 8-14 6-35H ST1	30451054600	FAULKNER	AR		
73 Southwestern Energy Company MCNEW 9-16 10-2H34 30291143500 CONWAY AR 74 Southwestern Energy Company MCNEW 9-16 7-2H34 30291143200 CONWAY AR 75 Southwestern Energy Company MCNEW 9-16 8-2H34 30291143300 CONWAY AR 76 Southwestern Energy Company MCNEW 9-16 9-2H34 30291139400 CONWAY AR 77 Southwestern Energy Company MOON 9-14 7-29H32 30291139500 CONWAY AR 78 Southwestern Energy Company MOON 9-14 8-29H32 30291139500 CONWAY AR 80 Southwestern Energy Company MOONE BILLIE 10-12 2-36H 30231114000 CLEBURNE AR 81 Southwestern Energy Company MOORE BILLIE 10-12 3-36H 30231114100 CLEBURNE AR 82 Southwestern Energy Company MOORE BILLIE 10-12 4-36H 30231114200 CLEBURNE AR 83 Southwestern Energy Company NEAL 9-8 5-26H22 31451156300 WHITE AR 84 Southwestern Energy Company PARNELL 10-7	71 Sc	outhwestern Energy Company	MCMILLEN 8-14 7-35H	30451054700	FAULKNER	AR		
74 Southwestern Energy Company MCNEW 9-16 7-2H34 30291143200 CONWAY AR 75 Southwestern Energy Company MCNEW 9-16 8-2H34 30291143300 CONWAY AR 76 Southwestern Energy Company MCNEW 9-16 9-2H34 30291134400 CONWAY AR 77 Southwestern Energy Company MOON 9-14 7-29H32 30291139500 CONWAY AR 78 Southwestern Energy Company MOON 9-14 8-29H32 30291139500 CONWAY AR 80 Southwestern Energy Company MOORE BILLIE 10-12 2-36H 30231114000 CLEBURNE AR 81 Southwestern Energy Company MOORE BILLIE 10-12 4-36H 30231114200 CLEBURNE AR 82 Southwestern Energy Company NEAL 9-8 5-26H22 31451156300 WHITE AR 84 Southwestern Energy Company PARNELL 10-7 10-21H28 3145115000 WHITE AR 85 Southwestern Energy Company PARNELL 10-7 12-21H16 3145115000 WHITE AR 86 Southwestern Energy Company PARNELL 10-7 12-21	72 Sc	outhwestern Energy Company	MCMILLEN 8-14 8-35H	30451054800	FAULKNER	AR		
75 Southwestern Energy Company MCNEW 9-16 8-2H34 30291143300 CONWAY AR AR AR AR AR AR AR	73 Sc	outhwestern Energy Company	MCNEW 9-16 10-2H34	30291143500	CONWAY	AR		
76 Southwestern Energy Company MCNEW 9-16 9-2H34 30291143400 CONWAY AR 77 Southwestern Energy Company MOON 9-14 7-29H32 30291139400 CONWAY AR 78 Southwestern Energy Company MOON 9-14 8-29H32 30291139500 CONWAY AR 79 Southwestern Energy Company MOORE BILLIE 10-12 2-36H 30231114000 CLEBURNE AR 81 Southwestern Energy Company MOORE BILLIE 10-12 4-36H 3023111400 CLEBURNE AR 82 Southwestern Energy Company MOORE BILLIE 10-12 4-36H 30231114200 CLEBURNE AR 82 Southwestern Energy Company NEAL 9-8 5-26H22 31451156300 WHITE AR 83 Southwestern Energy Company NEAL 9-8 6-26H25 31451156400 WHITE AR 84 Southwestern Energy Company PARNELL 10-7 10-21H28 3145115000 WHITE AR 85 Southwestern Energy Company PARNELL 10-7 12-21H16 3145115000 WHITE AR 87 Southwestern Energy Company PARNELL 10-7	74 Sc	outhwestern Energy Company	MCNEW 9-16 7-2H34	30291143200	CONWAY	AR		
77 Southwestern Energy Company MOON 9-14 7-29H32 30291139400 CONWAY AR 78 Southwestern Energy Company MOON 9-14 8-29H32 30291139500 CONWAY AR 79 Southwestern Energy Company MOORE BILLIE 10-12 2-36H 3023111400 CLEBURNE AR 80 Southwestern Energy Company MOORE BILLIE 10-12 3-36H 30231114100 CLEBURNE AR 81 Southwestern Energy Company MOORE BILLIE 10-12 4-36H 30231114200 CLEBURNE AR 82 Southwestern Energy Company NEAL 9-8 5-26H22 31451156300 WHITE AR 83 Southwestern Energy Company NEAL 9-8 6-26H25 31451156400 WHITE AR 84 Southwestern Energy Company PARNELL 10-7 10-21H28 31451150000 WHITE AR 85 Southwestern Energy Company PARNELL 10-7 11-21H28 ST1 31451150000 WHITE AR 86 Southwestern Energy Company PARNELL 10-7 12-21H16 31451150000 WHITE AR 87 Southwestern Energy Company PAR	75 Sc	outhwestern Energy Company	MCNEW 9-16 8-2H34	30291143300	CONWAY	AR		
78 Southwestern Energy Company MOON 9-14 8-29H32 30291139500 CONWAY AR 79 Southwestern Energy Company MOORE BILLIE 10-12 2-36H 30231114000 CLEBURNE AR 80 Southwestern Energy Company MOORE BILLIE 10-12 3-36H 30231114100 CLEBURNE AR 81 Southwestern Energy Company MOORE BILLIE 10-12 4-36H 30231114200 CLEBURNE AR 82 Southwestern Energy Company NEAL 9-8 5-26H22 31451156300 WHITE AR 83 Southwestern Energy Company NEAL 9-8 6-26H25 31451156400 WHITE AR 84 Southwestern Energy Company PARNELL 10-7 10-21H28 31451150000 WHITE AR 85 Southwestern Energy Company PARNELL 10-7 12-21H16 31451150000 WHITE AR 86 Southwestern Energy Company PARNELL 10-7 15-21H 31451150000 WHITE AR 87 Southwestern Energy Company PARNELL 10-7 7-21H16 3145116800 WHITE AR 89 Southwestern Energy Company PARNELL	76 Sc	outhwestern Energy Company	MCNEW 9-16 9-2H34	30291143400	CONWAY	AR		
79 Southwestern Energy Company MOORE BILLIE 10-12 2-36H 30231114000 CLEBURNE AR 80 Southwestern Energy Company MOORE BILLIE 10-12 3-36H 30231114100 CLEBURNE AR 81 Southwestern Energy Company MOORE BILLIE 10-12 4-36H 30231114200 CLEBURNE AR 82 Southwestern Energy Company NEAL 9-8 5-26H22 31451156300 WHITE AR 83 Southwestern Energy Company NEAL 9-8 6-26H25 31451156400 WHITE AR 84 Southwestern Energy Company PARNELL 10-7 10-21H28 31451150000 WHITE AR 85 Southwestern Energy Company PARNELL 10-7 11-21H28 ST1 31451150000 WHITE AR 86 Southwestern Energy Company PARNELL 10-7 12-21H16 31451150000 WHITE AR 87 Southwestern Energy Company PARNELL 10-7 7-21H16 31451116800 WHITE AR 89 Southwestern Energy Company PARNELL 10-7 8-21H16 31451149800 WHITE AR 90 Southwestern Energy Company <t< td=""><td>77 Sc</td><td>outhwestern Energy Company</td><td>MOON 9-14 7-29H32</td><td>30291139400</td><td>CONWAY</td><td>AR</td><td></td><td></td></t<>	77 Sc	outhwestern Energy Company	MOON 9-14 7-29H32	30291139400	CONWAY	AR		
80 Southwestern Energy Company MOORE BILLIE 10-12 3-36H 30231114100 CLEBURNE AR 81 Southwestern Energy Company MOORE BILLIE 10-12 4-36H 30231114200 CLEBURNE AR 82 Southwestern Energy Company NEAL 9-8 5-26H22 31451156300 WHITE AR 83 Southwestern Energy Company NEAL 9-8 6-26H25 31451156400 WHITE AR 84 Southwestern Energy Company PARNELL 10-7 10-21H28 31451150000 WHITE AR 85 Southwestern Energy Company PARNELL 10-7 11-21H28 ST1 31451150100 WHITE AR 86 Southwestern Energy Company PARNELL 10-7 12-21H16 31451150200 WHITE AR 87 Southwestern Energy Company PARNELL 10-7 15-21H 31451150500 WHITE AR 88 Southwestern Energy Company PARNELL 10-7 7-21H16 31451116800 WHITE AR 89 Southwestern Energy Company PARNELL 10-7 8-21H16 31451149800 WHITE AR 90 Southwestern Energy Company PARNEL	78 Sc	outhwestern Energy Company	MOON 9-14 8-29H32	30291139500	CONWAY	AR		
81 Southwestern Energy Company MOORE BILLIE 10-12 4-36H 30231114200 CLEBURNE AR 82 Southwestern Energy Company NEAL 9-8 5-26H22 31451156300 WHITE AR 83 Southwestern Energy Company NEAL 9-8 6-26H25 31451156400 WHITE AR 84 Southwestern Energy Company PARNELL 10-7 10-21H28 31451150000 WHITE AR 85 Southwestern Energy Company PARNELL 10-7 11-21H28 ST1 31451150100 WHITE AR 86 Southwestern Energy Company PARNELL 10-7 12-21H16 31451150200 WHITE AR 87 Southwestern Energy Company PARNELL 10-7 15-21H 31451150500 WHITE AR 88 Southwestern Energy Company PARNELL 10-7 7-21H16 31451116800 WHITE AR 89 Southwestern Energy Company PARNELL 10-7 8-21H16 31451149800 WHITE AR 90 Southwestern Energy Company PARNELL 10-7 9-21H16 31451149900 WHITE AR	79 Sc	outhwestern Energy Company	MOORE BILLIE 10-12 2-36H	30231114000	CLEBURNE	AR		
82 Southwestern Energy Company NEAL 9-8 5-26H22 31451156300 WHITE AR 83 Southwestern Energy Company NEAL 9-8 6-26H25 31451156400 WHITE AR 84 Southwestern Energy Company PARNELL 10-7 10-21H28 31451150000 WHITE AR 85 Southwestern Energy Company PARNELL 10-7 11-21H28 ST1 31451150100 WHITE AR 86 Southwestern Energy Company PARNELL 10-7 12-21H16 31451150200 WHITE AR 87 Southwestern Energy Company PARNELL 10-7 15-21H 31451150500 WHITE AR 88 Southwestern Energy Company PARNELL 10-7 7-21H16 31451116800 WHITE AR 89 Southwestern Energy Company PARNELL 10-7 8-21H16 31451149800 WHITE AR 90 Southwestern Energy Company PARNELL 10-7 9-21H16 31451149900 WHITE AR	80 Sc	outhwestern Energy Company	MOORE BILLIE 10-12 3-36H	30231114100	CLEBURNE	AR		
83 Southwestern Energy Company NEAL 9-8 6-26H25 31451156400 WHITE AR 84 Southwestern Energy Company PARNELL 10-7 10-21H28 31451150000 WHITE AR 85 Southwestern Energy Company PARNELL 10-7 11-21H28 ST1 31451150100 WHITE AR 86 Southwestern Energy Company PARNELL 10-7 12-21H16 31451150200 WHITE AR 87 Southwestern Energy Company PARNELL 10-7 15-21H 31451150500 WHITE AR 88 Southwestern Energy Company PARNELL 10-7 7-21H16 31451116800 WHITE AR 89 Southwestern Energy Company PARNELL 10-7 8-21H16 31451149800 WHITE AR 90 Southwestern Energy Company PARNELL 10-7 9-21H16 31451149900 WHITE AR	81 Sc	outhwestern Energy Company	MOORE BILLIE 10-12 4-36H	30231114200	CLEBURNE	AR		
84 Southwestern Energy Company PARNELL 10-7 10-21H28 31451150000 WHITE AR 85 Southwestern Energy Company PARNELL 10-7 11-21H28 ST1 31451150100 WHITE AR 86 Southwestern Energy Company PARNELL 10-7 12-21H16 31451150200 WHITE AR 87 Southwestern Energy Company PARNELL 10-7 15-21H 31451150500 WHITE AR 88 Southwestern Energy Company PARNELL 10-7 7-21H16 31451150500 WHITE AR 89 Southwestern Energy Company PARNELL 10-7 7-21H16 31451116800 WHITE AR 90 Southwestern Energy Company PARNELL 10-7 8-21H16 31451149800 WHITE AR 90 Southwestern Energy Company PARNELL 10-7 9-21H16 31451149900 WHITE AR	82 Sc	outhwestern Energy Company	NEAL 9-8 5-26H22	31451156300	WHITE	AR		
85 Southwestern Energy Company PARNELL 10-7 11-21H28 ST1 31451150100 WHITE AR 86 Southwestern Energy Company PARNELL 10-7 12-21H16 31451150200 WHITE AR 87 Southwestern Energy Company PARNELL 10-7 15-21H 31451150500 WHITE AR 88 Southwestern Energy Company PARNELL 10-7 7-21H16 31451116800 WHITE AR 89 Southwestern Energy Company PARNELL 10-7 8-21H16 31451149800 WHITE AR 90 Southwestern Energy Company PARNELL 10-7 9-21H16 31451149900 WHITE AR	83 Sc	outhwestern Energy Company	NEAL 9-8 6-26H25	31451156400	WHITE	AR		
86 Southwestern Energy Company PARNELL 10-7 12-21H16 31451150200 WHITE AR 87 Southwestern Energy Company PARNELL 10-7 15-21H 31451150500 WHITE AR 88 Southwestern Energy Company PARNELL 10-7 7-21H16 31451116800 WHITE AR 89 Southwestern Energy Company PARNELL 10-7 8-21H16 31451149800 WHITE AR 90 Southwestern Energy Company PARNELL 10-7 9-21H16 31451149900 WHITE AR	84 Sc	outhwestern Energy Company	PARNELL 10-7 10-21H28	31451150000	WHITE	AR		
87 Southwestern Energy Company PARNELL 10-7 15-21H 31451150500 WHITE AR 88 Southwestern Energy Company PARNELL 10-7 7-21H16 31451116800 WHITE AR 89 Southwestern Energy Company PARNELL 10-7 8-21H16 31451149800 WHITE AR 90 Southwestern Energy Company PARNELL 10-7 9-21H16 31451149900 WHITE AR	85 Sc	outhwestern Energy Company	PARNELL 10-7 11-21H28 ST1	31451150100	WHITE	AR		
88 Southwestern Energy Company PARNELL 10-7 7-21H16 31451116800 WHITE AR 89 Southwestern Energy Company PARNELL 10-7 8-21H16 31451149800 WHITE AR 90 Southwestern Energy Company PARNELL 10-7 9-21H16 31451149900 WHITE AR	86 Sc	outhwestern Energy Company	PARNELL 10-7 12-21H16	31451150200	WHITE	AR		
89 Southwestern Energy Company PARNELL 10-7 8-21H16 31451149800 WHITE AR 90 Southwestern Energy Company PARNELL 10-7 9-21H16 31451149900 WHITE AR	87 Sc	outhwestern Energy Company	PARNELL 10-7 15-21H	31451150500	WHITE	AR		
90 Southwestern Energy Company PARNELL 10-7 9-21H16 31451149900 WHITE AR	88 Sc	outhwestern Energy Company	PARNELL 10-7 7-21H16	31451116800	WHITE	AR		
	89 Sc	outhwestern Energy Company	PARNELL 10-7 8-21H16	31451149800	WHITE	AR		
91 Southwestern Energy Company PEARCE 9-10 2-5H32 30231124900 CLEBURNE AR	90 Sc	outhwestern Energy Company	PARNELL 10-7 9-21H16	31451149900	WHITE	AR		
	91 Sc	outhwestern Energy Company	PEARCE 9-10 2-5H32	30231124900	CLEBURNE	AR		

12/21/2016	8/2/2017	
1/2/2017	8/2/2017	
1/11/2017	8/2/2017	
1/21/2017	8/2/2017	
1/27/2017	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
3/6/2017	8/2/2017	
3/14/2017	8/2/2017	
3/19/2017	8/2/2017	
8/2/2016	8/2/2017	
9/8/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
10/28/2016	8/2/2017	
10/30/2016	8/2/2017	
11/2/2016	8/2/2017	
3/24/2017	8/2/2017	
4/4/2017	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	
8/2/2016	8/2/2017	L. D. Mariana
8/2/2016	8/2/2017	- U.A C C C C C C C
8/2/2016	8/2/2017	
2/28/2017	8/2/2017	1/4/4/4/4/7/
,,	, -,	

Southwestern Energy Company	PEARCE 9-10 3-5H32	30231125000	CLEBURNE	AR	
Southwestern Energy Company	PEARCE 9-10 4-5H32	30231125100	CLEBURNE	AR	
Southwestern Energy Company	ROB-WIN 10-9 4-29H32	30231110700	CLEBURNE	AR	
Southwestern Energy Company	ROB-WIN 10-9 5-29H32	30231110800	CLEBURNE	AR	
Southwestern Energy Company	ROB-WIN 10-9 6-29H32	30231110900	CLEBURNE	AR	
Southwestern Energy Company	STONE 9-8 6-12H24	31451156100	WHITE	AR	
Southwestern Energy Company	VAUGHAN 9-17 10-22H21	30291139200	CONWAY	AR	
Southwestern Energy Company	VAUGHAN 9-17 8-22H26	30291139000	CONWAY	AR	
Southwestern Energy Company	VAUGHAN 9-17 9-22H26	30291139100	CONWAY	AR	
Southwestern Energy Company	WOOD LUMBER COMPANY 9-7 6-10H	31451149400	WHITE	AR	
Southwestern Energy Company	WOOD LUMBER COMPANY 9-7 7-10H11	31451149500	WHITE	AR	T
Southwestern Energy Company	WOOD LUMBER COMPANY 9-7 8-10H11	31451149600	WHITE	AR	
Southwestern Energy Company	WHITEHURST 10-10 9-36H30	30231125300	CLEBURNE	AR	
	Southwestern Energy Company	Southwestern Energy Company Southwestern Energy Company ROB-WIN 10-9 4-29H32 Southwestern Energy Company ROB-WIN 10-9 5-29H32 Southwestern Energy Company STONE 9-8 6-12H24 Southwestern Energy Company VAUGHAN 9-17 10-22H21 Southwestern Energy Company VAUGHAN 9-17 8-22H26 Southwestern Energy Company VAUGHAN 9-17 9-22H26 Southwestern Energy Company WOOD LUMBER COMPANY 9-7 6-10H Southwestern Energy Company WOOD LUMBER COMPANY 9-7 8-10H11 Southwestern Energy Company WOOD LUMBER COMPANY 9-7 8-10H11	Southwestern Energy CompanyPEARCE 9-10 4-5H3230231125100Southwestern Energy CompanyROB-WIN 10-9 4-29H3230231110700Southwestern Energy CompanyROB-WIN 10-9 5-29H3230231110800Southwestern Energy CompanyROB-WIN 10-9 6-29H3230231110900Southwestern Energy CompanySTONE 9-8 6-12H2431451156100Southwestern Energy CompanyVAUGHAN 9-17 10-22H2130291139200Southwestern Energy CompanyVAUGHAN 9-17 8-22H2630291139000Southwestern Energy CompanyVAUGHAN 9-17 9-22H2630291139100Southwestern Energy CompanyWOOD LUMBER COMPANY 9-7 6-10H31451149400Southwestern Energy CompanyWOOD LUMBER COMPANY 9-7 7-10H1131451149500Southwestern Energy CompanyWOOD LUMBER COMPANY 9-7 8-10H1131451149600	Southwestern Energy Company Southwestern Energy Company ROB-WIN 10-9 4-29H32 Southwestern Energy Company ROB-WIN 10-9 5-29H32 Southwestern Energy Company ROB-WIN 10-9 6-29H32 Southwestern Energy Company ROB-WIN 10-9 6-29H32 Southwestern Energy Company STONE 9-8 6-12H24 Southwestern Energy Company VAUGHAN 9-17 10-22H21 Southwestern Energy Company Southwestern Energy Company VAUGHAN 9-17 8-22H26 Southwestern Energy Company VAUGHAN 9-17 9-22H26 Southwestern Energy Company Southwestern Energy Company VAUGHAN 9-17 9-22H26 Southwestern Energy Company WOOD LUMBER COMPANY 9-7 6-10H Southwestern Energy Company WOOD LUMBER COMPANY 9-7 7-10H11 Southwestern Energy Company WOOD LUMBER COMPANY 9-7 8-10H11	Southwestern Energy Company ROB-WIN 10-9 4-29H32 30231125100 CLEBURNE AR Southwestern Energy Company ROB-WIN 10-9 5-29H32 30231110700 CLEBURNE AR Southwestern Energy Company ROB-WIN 10-9 5-29H32 30231110800 CLEBURNE AR Southwestern Energy Company ROB-WIN 10-9 6-29H32 30231110900 CLEBURNE AR Southwestern Energy Company STONE 9-8 6-12H24 31451156100 WHITE AR Southwestern Energy Company VAUGHAN 9-17 10-22H21 30291139200 CONWAY AR Southwestern Energy Company VAUGHAN 9-17 8-22H26 30291139000 CONWAY AR Southwestern Energy Company VAUGHAN 9-17 9-22H26 30291139100 CONWAY AR Southwestern Energy Company WOOD LUMBER COMPANY 9-7 6-10H 31451149400 WHITE AR Southwestern Energy Company WOOD LUMBER COMPANY 9-7 7-10H11 31451149500 WHITE AR Southwestern Energy Company WOOD LUMBER COMPANY 9-7 8-10H11 31451149600 WHITE AR

	2/22/2017	8/2/2017	
	2/12/2017	8/2/2017	
0)(9	8/2/2016	8/2/2017	
	8/2/2016	8/2/2017	
	8/2/2016	8/2/2017	
	8/2/2016	8/2/2017	
	9/2/2016	8/2/2017	
	8/17/2016	8/2/2017	
	8/24/2016	8/2/2017	
	8/2/2016	8/2/2017	
	8/2/2016	8/2/2017	
	8/2/2016	8/2/2017	
	7/15/2017	8/2/2017	

ne asterisk () next to each field indicates that the co	responding field is required. §60.5432a Low Pressure									Wall Affected Englisher B	ired to Comply with 540 Fee	(a) and \$60 5275-16					
		Wells	All Well Completions								Well Affected Facilities Requ	irea to Comply with §60.537	a(a) and 960.5375a(f)					
Facility Record	Records of deviat where well comploperations with high fracturing were performed in comp with the requirem with the requirem specified in § 60.5420a(b)(2)(ii) \$60.5420a(c)(1)(name that contains the aulic Record of Determination and Supporting Inputs ance and Calculations * (\$60.5420a[b](2)(iii) and Sa. * \$60.5420a[c](1)(vii)) and Please provide only one	n Well Completion ID * (560.5420a(b)(2)(i) and \$60.5420a(c)(1)(i))	Well Location * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Date of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-{B})	Time of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Date of Each Attempt to Direct Flowback to a Separator * (\$60.5420a(c)(1)(iii)(A)- (B))	Time of Each Attempt to Direct Flowback to a Separator * (50.54206(b)[2](l) and §60.5420a(c)(1)[iii)(A)- (B))	Date of Each Occurrence of Returning to the Initial Flowback Stage * (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)- (B)}	Time of Each Occurrence of Returning to the Initial Flowback Stage * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Date Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Time Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production (60.5420a(c)[1](iii)(A)-(B))	Duration of Flowback in Hours * (\$60.54206(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)-{B}))	Duration of Recovery in Hours * (Not Required for Wells Complying with \$66.5375d[f) (\$60.5420a[b](2)(i) and \$60.5420a[c](1)(iii)(A))	Disposition of Recovery * (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)-(B))	Duration of Combustion in Hours * (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(iii)(A)-(8))	Duration of Venting in Hours * (\$60.5420a(b)(2)(i) and \$60.5420a(c)(1)(ii)(A)-(B))	Reason for Venting in Ileu of Capts or Combustion * (\$60.5420a(b)(2)() and \$60.5420a(c)(1)(iii)(A)-(0))
1 2	30231111700 30231111800		AUSTIN 11-9 1-33H28 AUSTIN 11-9 2-33H28	(h) (9)	11/19/2016 11/19/2016	11:00 AM 10:00 AM	11/19/2016 11/19/2016	11:00 AM 10:00 AM	N/A N/A	N/A N/A	11/29/2016 12/7/2016	7:00 AM 9:00 AM	236 431	236 431	routed to gas sales line routed to gas sales line	. 0	0	N/A N/A
3	30231111900		AUSTIN 11-9 3-33H28	(D)	11/19/2016	11:40 AM	11/19/2016	11:40 AM	N/A	N/A	12/6/2016	10:15 AM	407	407	routed to gas sales line	0	0	N/A
4	30231112000		AUSTIN 11-9 4-33H27		11/19/2016	10:00 AM	11/19/2016	10:00 AM 1:00 PM	N/A N/A	N/A N/A	12/6/2016 11/28/2016	9:05 AM 2:00 AM	407 505	407 505	routed to gas sales line routed to gas sales line	0	0	N/A N/A
6	30231118500 30231118700		AUSTIN 11-9 5-33H AUSTIN 11-9 7-33H9		11/8/2016 11/8/2016	1:00 PM 1:00 PM	11/8/2016 11/8/2016	1:00 PM	N/A N/A	N/A	11/18/2016	9:00 AM	236	236	routed to gas sales line	0	0	N/A
7	30231119800		BARNETT 9-10 2-1H36		10/11/2016	10:00 AM	10/11/2016	10:00 AM	N/A	N/A N/A	11/4/2016	8:25 AM 9:00 AM	575 358	575 358	routed to gas sales line routed to gas sales line	0	0	N/A N/A
9	30231119900 31451155700		BARNETT 9-10 3-1H36 BEAVERS 9-8 5-22H26		10/12/2016 4/29/2017	12:00 PM 9:00 AM	10/12/2016 4/29/2017	12:00 PM 9:00 AM	N/A N/A	N/A	10/27/2016 6/21/2017	6:00 AM	1269	1269	routed to gas sales line	0	0	N/A
10	30291138900		BECK CATHERINE 8-17 2-26H		10/8/2015	12:00 PM	10/8/2015	12:00 PM	N/A	N/A	10/27/2015	11:00 AM 5:00 AM	455 403	455 403	routed to gas sales line routed to gas sales line	0	0	N/A N/A
12	30451058100 30291145000		BENNETT TRUST 8-12 6-11H3 BOYLE 8-16 10-11H23		8/26/2016 11/25/2015	10:15 AM 2:20 PM	8/26/2016 11/25/2015	10:15 AM 2:20 PM	N/A N/A	N/A N/A	9/12/2016 12/4/2015	9:00 AM	211	211	routed to gas sales line	0	0	N/A
13	30291144600		BOYLE 8-16 6-11H14		11/25/2015	3:00 PM	11/25/2015	3:00 PM	N/A	N/A	12/13/2015	8:00 AM 9:00 AM	425 641	425 641	routed to gas sales line routed to gas sales line	0	0	N/A N/A
14	30291144700 30291144800	_	BOYLE 8-16 7-11H23 BOYLE 8-16 8-11H23		11/25/2015	3:20 PM 3:10 PM	11/25/2015 11/25/2015	3:20 PM 3:10 PM	N/A N/A	N/A N/A	12/22/2015 12/10/2015	9:00 AM	354	354	routed to gas sales line	0	0	N/A
16	30291144900		BOYLE 8-16 9-11H23		11/25/2015	3:00 PM	11/25/2015	3:00 PM	N/A	N/A	12/11/2015	9:00 AM	378	378	routed to gas sales line	0	0	N/A N/A
17	30291141200 31451153900		BRYANT RALPH 9-14 15-16H9 COOK 9-8 12-25H31		9/30/2015 6/27/2016	9:00 AM 3:10 PM	9/30/2015 6/27/2016	9:00 AM 3:10 PM	N/A N/A	N/A N/A	10/9/2015 11/10/2016	1:00 PM 11:00 AM	218 813	218 813	routed to gas sales line routed to gas sales line	0	0	N/A
19	31451154100		COOK 9-8 14-25H36		5/13/2017	12:00 PM	5/13/2017	12:00 PM	N/A	N/A	10/3/2017	10:00 AM	3116 2827	3116 2827	routed to gas sales line routed to gas sales line	0	0 1.2	N/A no combustion unit available ons
20	31451154200 30231116300		COOK 9-8 15-25H1 DECKARD 10-9 2-3H		5/13/2017 10/26/2016	12:00 PM 10:00 AM	5/13/2017 10/26/2016	12:00 PM 10:00 AM	N/A N/A	N/A N/A	9/8/2017 11/18/2016	7:00 AM 8:00 AM	2827 550	2827 550	routed to gas sales line routed to gas sales line	0	0	N/A
22	30231116400		DECKARD 10-9 3-3H		10/26/2016	9:00 AM	10/26/2016	9:00 AM	N/A	N/A	11/15/2016	12:00 PM 10:00 AM	483 625	483 625	routed to gas sales line routed to gas sales line	0	0	N/A N/A
23	30231116500 30451052600		DECKARD 10-9 4-3H DENNIS 8-13 5-20H17		10/26/2016 7/20/2016	9:00 AM 10:20 AM	10/26/2016 7/20/2016	9:00 AM 10:20 AM	N/A N/A	N/A N/A	11/21/2016 8/1/2016	6:00 AM	284	284	routed to gas sales line	0	0	N/A
25	30451052700		DENNIS 8-13 6-20H17		7/22/2016	5:00 AM	7/22/2016	5:00 AM	N/A	N/A	8/1/2016	6:00 AM	241 157	241 157	routed to gas sales line	0	0	N/A N/A
26	30451059600 30451059700		DENNIS 8-13 8-20H21 DENNIS 8-13 9-20H16		1/20/2017	7:00 PM 7:00 PM	1/20/2017	7:00 PM 7:00 PM	N/A N/A	N/A N/A	1/27/2017 2/6/2017	8:00 AM 8:00 AM	397	397	routed to gas sales line routed to gas sales line	0	0	N/A
28	30291143600		DESALVO TONY 8-14 2-6H36		12/7/2016	12:00 PM	12/7/2016	12:00 PM	N/A	N/A	12/27/2016	8:00 AM	476	476	routed to gas sales line routed to gas sales line	0	0	N/A N/A
30	30291143700 30231116900		DESALVO TONY 8-14 3-6H31 DUDECK LAND 11-10 5-17H8		12/7/2016	3:50 PM 1:00 PM	12/7/2016	3:50 PM 1:00 PM	N/A N/A	N/A N/A	12/27/2016 1/10/2017	8:00 AM 9:00 AM	472 332	472 332	routed to gas sales line	0	0	N/A
31	30231117000		DUDECK LAND 11-10 6-17H8		12/27/2016	1:00 PM	12/27/2016	1:00 PM	N/A	N/A	1/18/2017	9:00 AM	524	524 692	routed to gas sales line routed to gas sales line	0	0	N/A N/A
32	30231117100 30231117200		DUDECK LAND 11-10 7-17H8 DUDECK LAND 11-10 8-17H8		12/27/2016 12/27/2016	3:00 PM 10:00 AM	12/27/2016	3:00 PM 10:00 AM	N/A N/A	N/A N/A	1/25/2017 1/20/2017	11:00 AM 10:00 AM	692 576	576	routed to gas sales line	0	0	N/A
34	30231122400		DUDECK LAND 11-10 9-17H8		12/27/2016	12:00 PM	12/27/2016	12:00 PM	N/A	N/A	1/18/2017	10:00 AM 8:00 AM	526 289	526 289	routed to gas sales line routed to gas sales line	0	0	N/A N/A
35 36	31411184600 31411184700		EDWARDS J 9-14 7-36H26 EDWARDS J 9-14 8-36H26		2/10/2016 2/22/2016	9:00 AM 2:00 PM	2/10/2016 2/22/2016	9:00 AM 2:00 PM	N/A N/A	N/A N/A	2/29/2016 3/6/2016	7:00 AM	305	305	routed to gas sales line	0	0	N/A
37	31411184800		EDWARDS J 9-14 9-36H26		2/10/2016	9:00 AM	2/10/2016	9:00 AM	N/A	N/A N/A	2/18/2016	3:00 PM 10:00 AM	198 1244	198 1244	routed to gas sales line routed to gas sales line	0	0	N/A N/A
38	31451152200 31451155800		ENGLISH 9-8 10-27H35 ENGLISH 9-8 11-27H35		3/10/2017 11/6/2015	2:00 PM 10:00 PM	3/10/2017 11/6/2015	2:00 PM 10:00 PM	N/A N/A	N/A	5/1/2017 12/12/2015	9:00 AM	863	863	routed to gas sales line	0	0	N/A
40	31451155900		ENGLISH 9-8 12-27H35		11/5/2015	3:00 PM	11/5/2015	3:00 PM	N/A	N/A	12/7/2015 4/5/2017	10:00 AM 2:00 PM	763 388	763 388	routed to gas sales line routed to gas sales line	0	0	N/A N/A
41	31451156600 31451156700		ENGLISH 9-8 13-27H21 ENGLISH 9-8 14-27H21		3/20/2017 3/10/2017	10:00 AM 2:00 PM	3/20/2017 3/10/2017	10:00 AM 2:00 PM	N/A N/A	N/A N/A	4/19/2017	1:00 PM	959	959	routed to gas sales line	0	0	N/A
43 44	31451156800		ENGLISH 9-8 15-27H21		3/20/2017	12:00 PM	3/20/2017	12:00 PM	N/A N/A	N/A N/A	4/19/2017 5/1/2017	12:00 PM 7:00 AM	720 1241	720 1241	routed to gas sales line routed to gas sales line	0	0	N/A N/A
45	31451156900 31451157000		ENGLISH 9-8 16-27H34 ENGLISH 9-8 17-27H22		3/10/2017 3/10/2017	2:00 PM 3:00 PM	3/10/2017 3/10/2017	2:00 PM 3:00 PM	N/A	N/A	5/1/2017	7:00 AM	1240	1240	routed to gas sales line	0	0	N/A
46 47	31451152100		ENGLISH 9-8 9-27H22		3/10/2017	1:00 PM 10:00 AM	3/10/2017	1:00 PM 10:00 AM	N/A N/A	N/A N/A	5/1/2017 2/7/2016	9:40 AM 8:00 AM	1244 262	1244 262	routed to gas sales line routed to gas sales line	0	0	N/A N/A
48	30291108900 30291109000		HALBROOK 9-16 4-18H ST1 HALBROOK 9-16 5-18H		1/27/2016	9:55 AM	1/27/2015 1/13/2015	9:55 AM	N/A	N/A	11/21/2016	8:00 AM	539	539	routed to gas sales line	0	39	no combustion unit available onsi
49	30451051900 30451052000		HARRIS 8-13 4-19H HARRIS 8-13 5-19H		11/25/2015 12/1/2015	3:00 PM 10:00 AM	11/25/2015 12/1/2015	3:00 PM 10:00 AM	N/A N/A	N/A N/A	12/1/2015 12/12/2015	9:00 AM 10:00 AM	138 261	138 261	routed to gas sales line routed to gas sales line	0	0	N/A N/A
51	30231120400		HARRIS WELDON 9-9 3-11H2 ST1		5/27/2016	12:00 PM	5/27/2015	12:00 PM	N/A	N/A	6/7/2016	7:00 AM	259	259	routed to gas sales line	0	0	N/A
52	30231120500 30231120600		HARRIS WELDON 9-9 4-11H2 HARRIS WELDON 9-9 5-11H2		5/31/2016 4/25/2016	9:15 AM 11:00 AM	5/31/2016 4/25/2016	9:15 AM 11:00 AM	N/A N/A	N/A N/A	6/10/2016 5/12/2016	6:00 AM 9:00 AM	237	237 406	routed to gas sales line routed to gas sales line	0	0	N/A N/A
54	30231120700		HARRIS WELDON 9-9 6-11H2		4/28/2016	9:00 AM	4/28/2016	9:00 AM	N/A	N/A	5/18/2016	12:00 PM	483	483	routed to gas sales line	0	0	N/A
55 56	30231120800 30231120900		HARRIS WELDON 9-9 7-11H2 HARRIS WELDON 9-9 8-11H2		4/8/2017 4/8/2017	10:10 AM 10:00 AM	4/8/2017 4/8/2017	10:10 AM 10:00 AM	N/A N/A	N/A N/A	4/17/2017 4/24/2017	4:00 PM 10:00 AM	222 384	222 384	routed to gas sales line routed to gas sales line	0	0	N/A N/A
57	30231121000		HARRIS WELDON 9-9 9-11H1		4/8/2017	10:00 AM	4/8/2017	10:00 AM	N/A	N/A	4/18/2017	8:00 AM	238	238	routed to gas sales line	0	0	N/A
58	30291142900 30291143000		INGRAM 9-17 6-34H28 INGRAM 9-17 7-34H28		10/24/2015 10/4/2016	3:00 AM 9:18 AM	10/24/2015	3:00 AM 9:18 AM	N/A N/A	N/A N/A	11/7/2015 10/17/2016	7:00 AM 10:00 AM	340 312	340 312	routed to gas sales line routed to gas sales line	0	0	N/A N/A
60	30451049800		LAWRENCE 8-12 4-10H15		1/27/2016	2:00 PM	1/27/2015	2:00 PM	N/A	N/A	2/9/2016	8:00 AM	306	306	routed to gas sales line	0	0	N/A N/A
62	30451049900 30451050000		LAWRENCE 8-12 5-10H15 LAWRENCE 8-12 6-10H15		2/10/2016 2/1/2016	11:00 AM 3:00 PM	2/10/2015 2/1/2016	11:00 AM 3:00 PM	N/A N/A	N/A N/A	2/21/2016 2/9/2016	10:00 AM 8:00 AM	263 185	263 185	routed to gas sales line routed to gas sales line	0	0	N/A
63	30291135700		LEDBETTER TRUST 7-14 2-5H4		11/21/2015	10:00 AM	11/21/2015	10:00 AM	N/A	N/A	12/1/2015	11:00 AM	241	241	routed to gas sales line	0	0	N/A N/A
64	30291135900 30291136000		LEDBETTER TRUST 7-14 4-5H4 LEDBETTER TRUST 7-14 5-5H4		11/21/2015	9:45 AM 10:20 AM	11/21/2015 11/21/2015	9:45 AM 10:20 AM	N/A N/A	N/A N/A	12/6/2015 12/6/2015	8:00 AM 8:00 AM	359 358	359 358	routed to gas sales line routed to gas sales line	0	0	N/A
66	30231123400		MARINES 10-12 1-12H1		4/14/2016	1:00 PM	4/14/2015	1:00 PM	N/A	N/A	4/21/2016	9:00 AM	164	164	routed to gas sales line	0	0	N/A N/A
68	30231123500 30451054400		MARINES 10-12 2-12H1 MCMILLEN 8-14 4-35H ST2		2/23/2016 11/16/2015	9:10 AM 12:35 PM	2/23/2015 11/16/2015	9:10 AM 12:35 PM	N/A N/A	N/A N/A	3/6/2016 12/2/2015	7:00 AM 10:00 AM	285 382	285 382	routed to gas sales line routed to gas sales line	0	0	N/A
69	30451054500		MCMILLEN 8-14 5-35H26 ST1		11/16/2015	12:05 PM	11/16/2015	12:05 PM	N/A	N/A	12/12/2015	9:00 AM	458	458	routed to gas sales line routed to gas sales line	0	0	N/A N/A
70	30451054600 30451054700		MCMILLEN 8-14 6-35H ST1 MCMILLEN 8-14 7-35H		11/16/2015 11/16/2015	12:05 PM 12:05 PM	11/16/2015 11/16/2015	12:05 PM 12:05 PM	N/A N/A	N/A N/A	12/2/2015 12/10/2015	10:40 AM 11:00 AM	382 455	382 455	routed to gas sales line	0	0	N/A
72	30451054800		MCMILLEN 8-14 8-35H		11/16/2015	1:20 PM	11/16/2015	1:20 PM	N/A	N/A	12/3/2015	9:00 AM	404	404	routed to gas sales line routed to gas sales line	0	0	N/A N/A
73	30291143500 30291143200	+	MCNEW 9-16 10-2H34 MCNEW 9-16 7-2H34		10/8/2015	12:33 PM 12:35 PM	10/8/2015 10/8/2015	12:33 PM 12:35 PM	N/A N/A	N/A N/A	10/24/2015 11/1/2015	9:45 AM 12:35 PM	383 576	383 576	routed to gas sales line	0	0	N/A
75	30291143300		MCNEW 9-16 8-2H34		10/8/2015	11:00 AM	10/8/2015	11:00 AM	N/A	N/A	11/1/2015	1:40 PM	578 619	578 619	routed to gas sales line routed to gas sales line	0	0	N/A N/A
76 77	30291143400 30291139400		MCNEW 9-16 9-2H34 MOON 9-14 7-29H32		10/8/2015 11/7/2015	3:00 PM 1:05 PM	10/8/2015 11/7/2015	3:00 PM 1:05 PM	N/A N/A	N/A N/A	11/3/2015 11/13/2015	10:55 AM 8:00 AM	138	138	routed to gas sales line	0	0	N/A
78	30291139500		MOON 9-14 8-29H32		11/7/2015	2:15 PM	11/7/2015	2:15 PM	N/A	N/A	11/19/2015	8:00 AM	282	282 354	routed to gas sales line routed to gas sales line	0	0	N/A N/A
79 80	30231114000 30231114100	-	MOORE BILLIE 10-12 2-36H MOORE BILLIE 10-12 3-36H		12/4/2016 11/30/2016	9:15 AM 2:30 PM	12/4/2015 11/30/2016	9:15 AM 2:30 PM	N/A N/A	N/A N/A	12/19/2016 12/16/2016	3:00 AM 7:00 AM	354 377	354 377	routed to gas sales line routed to gas sales line	0	0	N/A
81	30231114200		MOORE BILLIE 10-12 4-36H		11/30/2016	2:16 PM	11/30/2016	2:16 PM	N/A	N/A	12/19/2016	7:00 AM	449	449	routed to gas sales line	0	0	N/A N/A
82 83	31451156300 31451156400		NEAL 9-8 5-26H22 NEAL 9-8 6-26H25		4/28/2017 4/28/2017	10:05 AM 10:35 AM	4/28/2017 4/28/2017	10:05 AM 10:35 AM	N/A N/A	N/A N/A	5/24/2017 5/9/2017	11:00 AM 7:00 AM	625 261	625 261	routed to gas sales line routed to gas sales line	0	0	N/A
84	31451150000		PARNELL 10-7 10-21H28		10/23/2015	10:10 AM	10/23/2015	10:10 AM	N/A	N/A	11/16/2016	11:00 AM	577	577	routed to gas sales line	0	0	N/A N/A
85 86	31451150100 31451150200		PARNELL 10-7 11-21H28 ST1 PARNELL 10-7 12-21H16		10/23/2015	10:40 AM 2:35 PM	10/23/2015	10:40 AM 2:35 PM	N/A N/A	N/A N/A	11/19/2015 11/2/2015	9:00 AM 10:00 AM	647 404	647 404	routed to gas sales line routed to gas sales line	0	0	N/A
					10/16/2015	10:00 AM	10/16/2015	10:00 AM	N/A	N/A	10/22/2015	10:00 AM	144	144	routed to gas sales line	0	0	N/A
87 88	31451150500 31451116800		PARNELL 10-7 15-21H PARNELL 10-7 7-21H16		10/23/2015	10:15 AM	10/23/2015	10:15 AM	· N/A	N/A	11/9/2015	12:00 PM	409	409	routed to gas sales line	0	0	N/A

		h 1 (91													,	
90 31451149900	PARNELL 10-7 9-21H16		10/23/2015	10:20 AM	10/23/2015	10:20 AM	N/A	N/A	11/11/2015	11:30 AM	457	457	routed to gas sales line	00	0	N/A
91 30231124900	PEARCE 9-10 2-5H32		3/26/2017	8:50 AM	3/26/2017	8:50 AM	N/A	N/A	4/7/2017	9:10 AM	294	294	routed to gas sales line	0	0	N/A
92 30231125000	PEARCE 9-10 3-5H32		3/25/2017	2:10 PM	3/25/2017	2:10 PM	N/A	N/A	4/18/2017	9:00 AM	570	570	routed to gas sales line	0	0	N/A
93 30231125100	PEARCE 9-10 4-5H32		3/25/2017	2:10 PM	3/25/2017	2:10 PM	N/A	N/A	4/6/2017	7:00 AM	281	281	routed to gas sales line	0	0	N/A
94 30231110700	ROB-WIN 10-9 4-29H32		12/11/2015	11:15 AM	12/11/2015	11:15 AM	N/A	N/A	12/27/2015	9:00 AM	382	382	routed to gas sales line	00	0	N/A
95 30231110800	ROB-WIN 10-9 5-29H32		12/11/2015	11:15 AM	12/11/2015	11:15 AM	N/A	N/A	12/20/2015	4:00 PM	221	221	routed to gas sales line	0	0	N/A
96 30231110900	ROB-WIN 10-9 6-29H32		12/11/2015	10:48 AM	12/11/2015	10:48 AM	N/A	N/A	12/19/2015	11:00 AM	193	193	routed to gas sales line	0	0	N/A
97 31451156100	STONE 9-8 6-12H24		10/21/2015	11:00 AM	10/21/2015	11:00 AM	N/A	N/A	12/1/2015	9:00 AM	982	982	routed to gas sales line	0	0	N/A
98 30291139200	VAUGHAN 9-17 10-22H21		9/25/2016	11:08 AM	9/25/2016	11:08 AM	N/A	N/A	10/13/2016	12:00 PM	433	433	routed to gas sales line	0	0	N/A
99 30291139000	VAUGHAN 9-17 8-22H26		9/25/2016	12:00 PM	9/25/2016	12:00 PM	N/A	N/A	10/17/2016	8:00 AM	524	524	routed to gas sales line	0	0	N/A
100 30291139100	VAUGHAN 9-17 9-22H26		9/25/2016	12:30 PM	9/25/2016	12:30 PM	N/A	N/A	10/6/2017	10:00 AM	262	262	routed to gas sales line	0	0	N/A
101 31451149400	WOOD LUMBER COMPANY 9-7 6-10H		10/31/2015	10:00 AM	10/31/2015	10:00 AM	N/A	N/A	11/8/2015	10:00 AM	192	192	routed to gas sales line	0	0	N/A
102 31451149500	WOOD LUMBER COMPANY 9-7 7-10H11		10/31/2015	11:00 AM	10/31/2015	11:00 AM	N/A	N/A	11/4/2015	9:00 AM	94	94	routed to gas sales line	00	0	N/A
103 31451149600	WOOD LUMBER COMPANY 9-7 8-10H11		10/31/2015	10:00 AM	10/31/2015	10:00 AM	N/A	N/A	11/8/2015	10:00 AM	187	187	routed to gas sales line	0	0	N/A
104 30231125300	WHITEHURST 10-10 9-36H30		8/12/2017	1:40 PM	8/12/2017	1:40 PM	N/A	N/A	8/22/2017	7:00 AM	234	234	routed to gas sales line	0	0	N/A
V																

T the contect	ion or rugitive emissions components	at each well site a	nd the collection of fu	gitive emissions comp	onents at each compres	ssor station v	within the company	defined area, an	owner or operator mus	t include the records of ea	ach monitoring survey including the inform	nation specified in paragra	aphs (b)(7)(i) through (xii) of this section in all a	nnual reports:			T	Τ	T	Т			
cility cord o. *	ntification of Each Affected Facility * (560.5420a(b)(1))	Date of Survey * [§60.5420a(b)(7)(I))	Survey Begin Time * (§60.5420a(b)(7)(ii))	Survey End Time * (§60.5420a(b)(7)(ii))	Name of Surveyor * [(§60,5420a(b)(7)(iii))		Sky Conditions During Survey * (§60,5420a(b)(7)	Maximum Wind Speed During Survey * (§60.5420a(b)(7)	Monitoring Instrument Used * (560.5420a(b)(7)(v))	Deviations From Monitoring Plan (If none, state none.) * (§60.5420a(b)(7)(vi))	Type of Component for which Fugitive Emissions Detected * (\$60.5420a[b)[7](Vii])	Number of Each Component Type for which Fugitive Emissions Detected *	Type of Component Not Repaired as Required in §60.5397a(h) *	Number of Each Component Type Not Repaired as Required in § 60.5397a(h) *	Type of Difficult-to- Monitor Components Monitored * (560.5420a(b)(7)(ix))	Number of Each Difficult- to-Monitor Component Type Monitored * (560.5420a(b)(7)(ix))	Type of Unsafe-to- Monitor Component Monitored * (§60.5420a(b)(7)(ix))	Number of Each Unsafe-to-Monitor Component Type Monitored *	Date of Successful Repair of Fugitive Emissions Component *	Type of Component Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	Number of Each Component Type Placed on Delay of Repair *	Explanation for Delay of Repair * {\$60.5420a(b)(7)(xi))	Type of Instrument Used to Resurvey Repaired Components Not Repaired During Original Survey *	Training and Experience of Survey
						(7)(iv))	,,	(iv))	15/1/19/1	(Soc. Series (Series Ment)		(\$60.5420a(b)(7)(vii))	(§60.5420a(b)(7)(viii))	(§60.5420a(b)(7)(viii))	124-1-1-1-1-1-1	Paris and Aller Many	Contract No.	(§60.5420a(b)(7)(ix))	(§60.5420a(b)(7)(x))		(§60,5420a(b)(7)(xi))	10.10	(§60.5420a(b)(7)(xii))	
	IN 11-9 1-33H28 IN 11-9 2-33H28	1/20/2017				56 56	Overcast Overcast	4	Opgal EyeCGas Opgal EyeCGas															_
	IN 11-9 3-33H28 IN 11-9 4-33H27	1/20/2017				56 56	Overcast Overcast	4	Opgal EyeCGas Opgal EyeCGas		1													-
5 AUST	IN 11-9 5-33H IN 11-9 7-33H9	1/20/2017				56 56	Overcast Overcast	4	Opgal EyeCGas															-
7 BARN	ETT 9-10 2-1H86	2/22/2017				58	Overcast	8	Opgal EyeCGas Opgal EyeCGas															-
9 BEAV	ERS 9-8 5-22H26	2/22/2017 6/23/2017	9:30 AM	9:45 AM		58 85	Overcast Heavy Clouds		Opgal EyeCGas Opgal EyeCGas															1
	CATHERINE 8-17 2-26H JETT TRUST 8-12 6-11H3	6/10/16 3/17/2017				77 60	Clear	6	Opgal EyeCGas Opgal EyeCGas															
	E 8-16 10-11H23 E 8-16 6-11H14	6/8/16 6/8/16				76 76	Clear	2 2	Opgal EyeCGas Opgal EyeCGas												-			-
14 BOYL	E 8-16 7-11H23 E 8-16 8-11H23	6/8/16 6/8/16				76 76	Clear	2	Opgal EyeCGas Opgal EyeCGas															-
16 BOYL	E 8-16 9-11H23 NT RALPH 9-14 15-16H9	6/8/16 5/9/2017	8:20 AM	8:30 AM		76	Clear	2	Opgal EyeCGas															1
18 COOK	(9-8 12-25H31	2/21/2017				66 58	Clear Heavy Clouds	4	Opgal EyeCGas Opgal EyeCGas						15.1.000									-
20 COOK	(9-8 14-25H36 (9-8 15-25H1	6/23/2017 6/23/2017	8:30 AM 8:45 AM	8:45 AM 9:00 AM		85 85	Heavy Clouds Heavy Clouds	4	Opgal EyeCGas Opgal EyeCGas															1
21 DECK	ARD 10-9 2-3H ARD 10-9 3-3H	1/20/2017				56 56	Overcast Overcast	2	Opgal EyeCGas Opgal EyeCGas															1
	ARD 10-9 4-3H 85 8-13 5-20H17	1/20/2017 3/31/2017	7:15 AM	7:25 AM		56 73	Overcast Heavy Clouds	2 5	Opgal EyeCGas Opgal EyeCGas															-
25 DENN	NS 8-13 6-20H17 NS 8-13 8-20H21	3/31/2017	7:25 AM	7:35 AM		73	Heavy Clouds	5	Opgal EyeCGas															-
27 DENN	IIS 8-13 9-20H16	3/31/2017 3/31/2017	7:35 AM 7:45 AM	7:45 AM 7:55 AM		73	Heavy Clouds Heavy Clouds	5	Opgal EyeCGas Opgal EyeCGas														-	1
29 DESAI	LVO TONY 8-14 2-6H36 LVO TONY 8-14 3-6H31	2/2/2017 2/2/2017				46 46	Overcast Overcast	10	Opgal EyeCGas Opgal EyeCGas														1	1
31 DUDE	CK LAND 11-10 5-17H8 CK LAND 11-10 6-17H8	2/21/2017 2/21/2017				58 58	Overcast Overcast	1	Opgal EyeCGas Opgal EyeCGas															_
32 DUDE	CK LAND 11-10 7-17H8 CK LAND 11-10 8-17H8	2/21/2017 2/21/2017				58 58	Overcast Overcast	1 1	Opgal EyeCGas Opgal EyeCGas															1
34 DUDE	CK LAND 11-10 9-17H8 ARDS J 9-14 7-36H26	2/21/2017 5/23/2017	11:30 AM	11:38 AM		58	Overcast	1	Opgal EyeCGas															-
36 EDW#	ARDS J 9-14 8-36H26	5/23/2017	11:38 AM	11:46 AM		63 63	Light Clouds Light Clouds	3	Opgal EyeCGas Opgal EyeCGas															1
38 ENGLI	ARDS J 9-14 9-36H26 ISH 9-8 10-27H35	5/23/2017 5/12/2017	11:46 AM 9:45 AM	11:54 AM 9:55 AM		63 61	Light Clouds Heavy Clouds	1	Opgal EyeCGas Opgal EyeCGas															1
40 ENGL	ISH 9-8 11-27H35 ISH 9-8 12-27H35	2/21/2017				58 58	Overcast	3	Opgal EyeCGas Opgal EyeCGas															_
41 ENGLI	ISH 9-8 13-27H21 ISH 9-8 14-27H21	5/12/2017 5/12/2017	9:05 AM 8:45 AM	9:15 AM 8:55 AM		61 61	Heavy Clouds Heavy Clouds	1	Opgal EyeCGas Opgal EyeCGas		Tubing ESD Valve	1		0					5/17/2017				Opgal EyeCGas	-
43 ENGLI	ISH 9-8 15-27H21 ISH 9-8 16-27H34	5/12/2017 5/12/2017	8:55 AM 9:25 AM	9:05 AM 9:35 AM		61 61	Heavy Clouds Heavy Clouds	1	Opgal EyeCGas Opgal EyeCGas		Casing ESD Valve	1		0					5/17/2017				Opgal EyeCGas	-
45 ENGLI	SH 9-8 17-27H22 ISH 9-8 9-27H22	5/12/2017	9:15 AM 9:35 AM	9:25 AM		61	Heavy Clouds	1	Opgal EyeCGas		Wellhead Easy Drive Connector	1		0					5/12/2017				Opgal EyeCGas	1
47 HALBI	ROOK 9-16 4-18H 5T1	5/12/2017 2/18/16	9:35 AM	9:45 AM		61 55	Heavy Clouds Clear	7	Opgal EyeCGas Opgal EyeCGas															1
49 HARRI	ROOK 9-16 5-18H IS 8-13 4-19H	2/18/16 5/31/2017	9:01 AM	9:13 AM		65	Clear Fight Clouds	7 6	Opgal EyeCGas Opgal EyeCGas															1
51 HARRI	IS 8-13 5-19H IS WELDON 9-9 3-11H2 ST1	5/31/2017 2/27/2017	9:13 AM	9:25 AM		65 52	Light Clouds Overcast	5	Opgal EyeCGas Opgal EyeCGas															Survey team received one month
53 HARRI	IS WELDON 9-9 4-11H2 IS WELDON 9-9 5-11H2	2/27/2017				52 52	Overcast Overcast	5	Opgal EyeCGas Opgal EyeCGas		Pressure Control ASCO Pressure Control ASCO	1 1		0					3/10/2017				Opgal EyeCGas Opgal EyeCGas	the job training. All six members the team have 2 years of experien
	IS WELDON 9-9 6-11H2 IS WELDON 9-9 7-11H2	2/27/2017 5/18/2017	9:45 AM	9:55 AM		52 76	Overcast Heavy Clouds	5	Opgal EyeCGas Opgal EyeCGas															-
56 HARRI	IS WELDON 9-9 8-11H2 IS WELDON 9-9 9-11H1	5/18/2017 5/18/2017	9:55 AM 10:05 AM	10:05 AM 10:15 AM		76 76	Heavy Clouds Heavy Clouds	5	Opgal EyeCGas Opgal EyeCGas															-
58 INGRA	AM 9-17 6-34H28 AM 9-17 7-34H28	2/1/16 5/27/16	20007100			50 74	Clear Overcast	8	Opgal EyeCGas															-
60 LAWR	ENCE 8-12 4-10H15 ENCE 8-12 5-10H15	3/14/2017				37	Overcast	5	Opgal EyeCGas Opgal EyeCGas															-1
62 LAWR	ENCE 8-12 6-10H15	3/14/2017 3/14/2017				37 37	Overcast Overcast	5	Opgal EyeCGas Opgal EyeCGas															-1
64 LEDBE	TTER TRUST 7-14 2-5H4 TTER TRUST 7-14 4-5H4	5/19/2017 5/19/2017	8:10 AM 8:20 AM	8:20 AM 8:30 AM		79 79	Heavy Clouds Heavy Clouds	2	Opgal EyeCGas Opgal EyeCGas															1
	TTER TRUST 7-14 5-5H4 NES 10-12 1-12H1	5/19/2017 3/29/2017	8:30 AM 10:00 AM	8:40 AM 10:10 AM		79 77	Heavy Clouds Heavy Clouds	5	Opgal EyeCGas Opgal EyeCGas															
	NES 10-12 2-12H1 ILLEN 8-14 4-35H ST2	3/29/2017 5/18/2017	10:10 AM 8:50 AM	10:20 AM 9:00 AM		77 74	Heavy Clouds Heavy Clouds	5 5	Opgal EyeCGas Opgal EyeCGas															-
69 MCMI	ILLEN 8-14 5-35H26 ST1 ILLEN 8-14 6-35H ST1	5/18/2017 5/18/2017	9:00 AM 9:10 AM	9:10 AM 9:20 AM		74 74	Heavy Clouds	5	Opgal EyeCGas															-
71 MCMI	LLEN 8-14 7-35H	5/18/2017	9:20 AM	9:30 AM		74	Heavy Clouds	5	Opgal EyeCGas Opgal EyeCGas														-	-
73 MCNE	W 9-16 10-2H34	5/18/2017 6/16/16	9:30 AM 10:20 AM	9:40 AM 10:30 AM		86	Heavy Clouds Clear	0	Opgal EyeCGas Opgal EyeCGas															-
75 MCNE	W 9-16 7-2H34 W 9-16 8-2H34	6/16/16 6/16/16	9:50 AM 10:00 AM	10:00 AM 10:10 AM		86 86	Clear	0	Opgal EyeCGas Opgal EyeCGas		MATERIAL TO THE RESERVE TO THE RESER													1
	W 9-16 9-2H34 N 9-14 7-29H32	6/16/16 5/22/2017	10:10 AM 8:59 AM	10:20 AM 9:06 AM		86 60	Clear Heavy Clouds	0	Opgal EyeCGas Opgal EyeCGas						*****									1
79 MOOR	N 9-14 8-29H32 RE BILLIE 10-12 2-36H	5/22/2017 1/31/2017	9:06 AM	9:13 AM		60 50	Heavy Clouds Clear	1	Opgal EyeCGas Opgal EyeCGas															_
80 MOOR	RE BILLIE 10-12 3-36H RE BILLIE 10-12 4-36H	1/31/2017 1/31/2017				50	Clear	1 1	Opgal EyeCGas Opgal EyeCGas		Quick Exhaust Pressure Relief Valve Quick Exhaust Pressure Relief Valve	1 1		0					2/1/2017 2/1/2017				Opgal EyeCGas Opgal EyeCGas	4
82 NEAL 9	9-8 5-26H22 9-8 6-26H25	6/15/2017	8:20 AM 8:00 AM	8:25 AM		84	Heavy Clouds	8	Opgal EyeCGas		The state of the s			-					-					-
84 PARNE	ELL 10-7 10-21H28	6/15/2017 2/7/2017	B.CO AIVI	8:15 AM		67	Heavy Clouds Overcast	12	Opgal EyeCGas Opgal EyeCGas															-1
86 PARNE	ELL 10-7 11-21H28 5T1 ELL 10-7 12-21H16	2/7/2017 2/8/2017				67	Overcast Overcast	12	Opgal EyeCGas Opgal EyeCGas															1
88 PARNE	ELL 10-7 15-21H ELL 10-7 7-21H16	2/8/2017 2/7/2017				67 67	Overcast Overcast	12 12	Opgal EyeCGas Opgal EyeCGas															1
89 PARNE	ELL 10-7 B-21H16 ELL 10-7 9-21H16	2/7/2017				67 67	Overcast Overcast	12 12	Opgal EyeCGas Opgal EyeCGas															_
91 PEARC	E 9-10 2-5H32 E 9-10 3-5H32	5/18/2017 5/18/2017	8:40 AM 8:40 AM	8:50 AM 8:50 AM		72	Heavy Clouds Heavy Clouds	5	Opgal EyeCGas Opgal EyeCGas															_
93 PEARC	E 9-10 4-5H32 VIN 10-9 4-29H32	5/18/2017 2/28/2017	8:50 AM 7:35 AM	9:00 AM 7:45 AM		72	Heavy Clouds	5	Opgal EyeCGas													-		-
95 ROB-W	VIN 10-9 5-29H32	2/28/2017	7:49 AM	8:05 AM		80	Light Clouds Light Clouds	4	Opgal EyeCGas Opgal EyeCGas											******				-1
97 STONE	VIN 10-9 6-29H32 E9-8 6-12H24	2/28/2017 1/31/2017	8:08 AM	8:25 AM		80 50	Light Clouds Clear	3	Opgal EyeCGas Opgal EyeCGas															1
99 VAUG	HAN 9-17 10-22H21 HAN 9-17 8-22H26	11/15/2016 11/15/2016				58 58	Clear	0	Opgal EyeCGas Opgal EyeCGas															
100 VAUGE	HAN 9-17 9-22H26 D LUMBER COMPANY 9-7 6-10H	11/15/2016 2/3/2017				58 39	Clear Clear	0	Opgal EyeCGas Opgal EyeCGas															_
102 WOOD	LUMBER COMPANY 9-7 7-10H11 D LUMBER COMPANY 9-7 8-10H11	2/3/2017 2/3/2017				39 39	Clear	11	Opgal EyeCGas Opgal EyeCGas															_
103 WOOD																								

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification or Reconstruction Commenced After For each pneumatic pump affected facility, an owner or operator must include the information specified in paragraphs (b)(8)(i) through (iii) of this section in all annual reports:

The asterisk (*) next to each field indicates that the corresponding field is required.

Facility Record No. *	Identification of Each Pump * (§60.5420a(b)(1))	Was the pneumatic pump constructed, modified, or reconstructed during the reporting period? * (§60.5420a(b)(8)(i))	Which condition does the pneumatic pump meet? * (§60.5420a(b)(8)(i))	If your route emissions to a control device and the control device is designed to achieve <95% emissions reduction, specify the percent emissions reduction. * (§60.5420a(b)(8)(i)(C))
1	2177871	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
2	2196181	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site	
3	4031322	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site	
4	4024737	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site	
5	2127092	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site	
6	2127122	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site	
7	4031339		\$60.5420a(8)(iii)(i)(A) - No control device or process available on site	
8	2124161		\$60.5420a(8)(iii)(i)(A) - No control device or process available on site	
9	2034590	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site	
10	2096368	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
11	1105	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
12	6075	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
14	5030	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
15	2135397	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
16	2196182	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
17	2096390	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
18	4024729	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
19	2231668		§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
20	2196892		§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
21	2230432	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
22	4016118	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
23	4024735	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
24	2092437	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
25	7006232	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
26	2096387	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
27	2196171	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
28	7006225	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
29	2177850	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
30	2135394	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
31	7009099	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	

22	4010540		CCO TAGO (OVIII) (VA) ALL ALL ALL ALL ALL ALL ALL ALL ALL A
32	4018549	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
33	2034588	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
34	2135398	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
35	7009109	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
36	2092435	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
37	4078721	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
38	7009108	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
39	2135406	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
40	2231664	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
41	2196172	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
42	2039473	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
43	2127126	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
44	2034593	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
45	4032243	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
46	2203311	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
47	2135405	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
48	4032240	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
49	7009105	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
50	4031336	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
51	4078707	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
52	2034595	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
53	2135400	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
54	7015204	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
55	2124218	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
56	2177854	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
57	2124155	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
58	2135392	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
59	2077639	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
60	2077640	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
61	2076819	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
62	2124214	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
63	2034608	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
64	4024720	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
65	212439	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
66	2124206	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site
67	2186027	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
68	2331976	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
69	2196175	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
70	2177852	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
71	2211319	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
72	2231681	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
73	2124207	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
74	4032245	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site

75	4024721	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
76	2096359	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
77	7015211	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
78	2107261	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
79	4024710	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
80	4031338	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
81	2211308	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
82	2107260	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
83	2135407	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
84	2124141	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
85	2034586	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
86	2096397	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
87	4078720	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
88	2126482	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
89	2127094	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
90	2096379	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
91	4078714	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
92	2077649	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
93	2222090	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
94	2077628	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
95	4031326	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
96	2077636	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
97	2177857	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
98	7015213	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
99	2107259	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
100	2096400	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
101	2225894	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
102	2231678	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
103	1732566	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
104	1660253	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
105	2135402	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
106	2034585	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
107	2124209	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
108	2241208	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
109	2034589	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
110	2076795	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
111	2034596	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
112	2177858	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
113	2135404	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
114	1654972	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
115	2196193	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
116	2177861	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site
117	2216720	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site

118	2211299	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
119	2177856	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
120	2107254	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
121	2124201	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
122	2124151	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
123	4021289	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
124	4015651	constructed	§60.5420a(8)(iii)(i)(A) - No control device or process available on site	
125	2096366	constructed	\$60.5420a(8)(iii)(i)(A) - No control device or process available on site	